

## **Durham E-Theses**

Predicting success in higher education:: predictive validity, attainment at school level and its relationship to degree class

Al-Dossary, Saeed

#### How to cite:

Al-Dossary, Saeed (2001) Predicting success in higher education:: predictive validity, attainment at school level and its relationship to degree class, Durham theses, Durham University. Available at Durham E-Theses Online: http://etheses.dur.ac.uk/4318/

#### Use policy

The full-text may be used and/or reproduced, and given to third parties in any format or medium, without prior permission or charge, for personal research or study, educational, or not-for-profit purposes provided that:

- ullet a full bibliographic reference is made to the original source
- a link is made to the metadata record in Durham E-Theses
- the full-text is not changed in any way

The full-text must not be sold in any format or medium without the formal permission of the copyright holders.

Please consult the full Durham E-Theses policy for further details.

### PREDICTING SUCCESS IN HIGHER EDUCATION:

# PREDICTIVE VALIDITY, ATTAINMENT AT SCHOOL LEVEL AND ITS RELATIONSHIP TO DEGREE CLASS

By

SAEED A. AL-DOSSARY

#### **A DISSERTATION**

Submitted to
University of Durham
School of Education
For the degree of
Masters of Arts by Thesis

The copyright of this thesis rests with the author. No quotation from it should be published without his prior written consent and information derived from it should be acknowledged.



#### **ABSTRACT**

#### Of M.A. by Thesis in Education

#### PREDICTING SUCCESS IN HIGHER EDUCATION:

## PREDICTIVE VALIDITY, ATTAINMENT AT SCHOOL LEVEL AND

ITS RELATIONSHIP TO DEGREE CLASS.

This study examined the predictive validity of certain variables (Prior Achievement, Home Background, aspirational level) against a criterion variable i.e. Degree Class. The measures came from the ALIS (A-level Information System) in England. The main source of data were 1167 students who agreed to complete questionnaire sent as part of the ALIS project. Simple correlation, multiple and stepwise and regression analysis were performed.

The following conclusion were drawn from the findings:

- I. All the predictor variables except home background were significantly predictive of academic success in terms of scholastic performance, the predictive power was very low for average O level (AVO), socio economic status of Head of Household (HOH), moderate for the likelihood of staying in Education (LSE) and moderately high for A-level.
- II. Total A-level was the best predictor of success at the Degree Class. The low predictability of the AVO may be attributed to a weakness to the power of the

preparatory programme. The low values for HOH may be because decision about future study had already been made perhaps on the basis of home background.

III. The Total A-level variable correlated 0.37 with degree class but it seems likely that this figure would be higher if it were possible to look at individual courses at particular universities.

#### **ACKNOWLEDGMENTS**

I would like to thank several people who have either directly or indirectly, helped me to undertake and complete my study at the school of Education, University of Durham.

With a feeling of humility I must appreciate unfailing encouragement and help, I used to receive from Professor Peter Tymms, Supervisor of my research; has greatly supported me to complete this study. I am deeply indebted to him.

The Ministry of Higher Education, Government of the Kingdom of Saudi Arabia have offered me scholarship for this study.

Last but not least I am grateful to my parents who inspired me all along, I owe the greatest debt, for their love and affections and encouragement.

## **CONTENTS**

ABSI	RACT	II
ACK	NOWLEDGEMENT	IV
LIST	OF TABLES	VII
LIST	OF FIGURES	IX
СНА	PTER ONE: INTRODUCTION	
1.1	BACKGROUND	1
1.2	RESEARCH PROBLEM	3
1.3	PURPOSE OF THE STUDY	3
1.4	BASIS FOR STUDY	4
1.5	THE RESEARCH QUESTION	5
1.6	SIGNIFICANCE OF THE STUDY	5
1.7	ORGANISATION OF THE STUDY	6
СНА	PTER TWO: REVIEW OF LITERTURE	
2.1	INTRODUCATION	8
2.2	WHAT IS VALIDITY	9
2.3	PREDICTIVE VALILDITY STUDIES	11
2.4	CRITICSMS OF PREDICTIVE VALIDITY STUDIES	20
2.5	DIFFERENTIAL VAILDITY AND PREDICTION BIAS	25
2.5	5.1 GENDER BIAS	28
2.5	5.2 AGE BIAS	29
2.6	GCE A-LEVEL ATTAINMENT AND DEGREE PERFORMANCE	31
2.7	RESEARCH ON GRADES AND TEST SCORES USED IN PREDICTION	34
	7.1 SCHOOL GRADES AS PREDICTORS	34
	7.2 PREDICTION FIRST YEAR COLLEGE / UNIVERSITY SUCCESS	35
	7.3 PREDICTION BEYOND FIRST YEAR	37
2.7		39
2.8	EUROPEN INVESTIGATION ON PREDICTION	40
2.9		41
2.10		42
2.11	OTHER FACTORS AFFECTING GPA	43

2.1	2 IMPACT OF SCHOOLING	45
2.1	PREDICTIVE POWER OF READING TESTS	47
2.1	4 INTERST AND ACADEMIC ACHIEVEMENT	47
2.1	5 DEVELOPMENT AND GENERAL RELIABILITY OF STORNG	
	CAMPBELL INTERST INVENTORY (SCII)	48
2.1	6 ASSESSMENT MEASURES AND POST UNIVERSITY	
	PERFORMANCE	49
<u>CH</u>	IAPTER THREE: DESIGN AND PROCEDURES	
3.1	INTRODUCATION	50
3.2	SAMPLE SELECTION	50
3.3	SAMPLE SUBJECTS AND SIZE	52
3.4	SELECTION OF VARIABLES	53
	3.4.1 PREDICTORS VARIABLES	53
	3.4.2 CRITERION VARIABLE	54
3.5	STATISTICAL ANALYSIS	54
	3.5.1 SIMPLE CORRELATION AND REGRESSION	55
	3.5.2 MULTIPLE CORRELATION AND REGRESSION	57
	3.5.3 STEPWISE MULTIPLE REGRESSION	58
3.6	THE STATISTICAL TOOL EMPLOYED IN THE STUDY	61
3.7	NULL HYPOTHESIS	61
	APTER FOUR: STATISTICAL RESULTS	
4.1	INTRODUCATION	63
4.2	DESCRIPTIVE MEASURES OF SAMPLE DATA	64
4.3	SIMPLE CORRELATION	67
4.4		70
4.5		79
4.6	ANALSING RESIDUALS	81
17	DISCUSSION	85

<u>CHA</u>	APTER FIVE: SUMMARY, CONCLUSION AND RECOMMEN	DATIONS
5.1	SUMMARY	89
5.2	CONCLUSION	91
5.3	LIMITATIION OF THE STUDY	92
5.4	RECOMMENDATIONS FOR FURTHER RESEARCH	93
REFI	RENCES	96
APP	ENDIX1	117

## LIST OF TABLES

Table P	age
Studies Examining the Relationship between GRE scores and GGPA by Programmes.	14
2. Means and Standard Deviations of Sample Data.	64
3. The validity coefficients and prediction equations of the predictors against the criterion (Degree Class).	67
4. The multiple correlation of A-level and AVO.	71
5. The multiple correlation of LSE and A-level.	72
6. The multiple correlation of HOH and A-level.	72
7. The multiple correlation of HOH and AVO	73
8. The multiple correlation of HOH and LSE.	73
9. The multiple correlation of LSE and AVO	73
10. The multiple correlation of LSE, AVO and A-level.	75
11. The multiple correlation of HOH, A-level and AVO.	76
12. The multiple correlation of LSE, HOH and A-level	76
13. The multiple correlation of LSE, HOH and AVO.	77
14. The multiple correlation of A-level, HOH, LSE and AVO	77
15. Stepwise multiple regression of A-level, LSE, HOH and AVO.	79
16. The excluded variables of the stepwise multiple regression of A-level. A-level squared and A-level cubed.	83

## LIST OF FIGURES

Fig	ure	Page
1.	Hypothetical Restriction of Range Situation 1.	21
2.	Hypothetical Restriction of Range Situation 2.	22
3.	The distribution of the criterion variable (degree class).	64
4.	The distribution of Total A-level.	65
5.	The distribution of AVO.	65
6.	The distribution of LSE.	66
7.	The distribution of HOH.	66
	The Scattergram of Total A-level and Degree Class The distribution of unstandardized residual	82 84
10.	The Scattergram of Total A-level and unstandardized residual.	85

#### CHAPTER ONE

#### INTRODUCTION

#### 1.1 BACKGROUND

Many studies report that the A-level examination in England serves the dual functions of assessing knowledge and predicting academic performance. As Smithers & Robinson (1991) stated that about 90% of entrants to Universities were accepted on the basis of their A-level results in 1990. The increasing number of Secondary School graduates and the complexity of job market are the main factors that are placing a great demand on higher education. The Universities need to maintain a certain level of performance within the Institution, so they attempt to select only those students who are qualified and potentially successful. Higher and advanced level educational institutions (A-level and degree level) differ in their degree of selectivity, from open-door to highly selective admission. The principle of selection involves social, educational, moral and legal values, which has led to a lively debate between those who advocate and those who denounce the use of selection measures in the A-level and Degree level as well. Those who reject the idea of selection and advocate an open-admission policy base their arguments on legal and social grounds. "Equality of

Educational Opportunity" is one of their most appealing arguments. They also challenge the validity of selection measures, especially the use of standardised tests, in the admission process.

The persons who advocate selective admission, base their arguments on the ground that selectivity is a necessity and on the empirical evidence of the validity of selection standards. We see that most of the Universities and Colleges are selective, this does not means that a high school graduate has a slim chance of obtaining a place in a higher education institution. The rejection ratio in many universities is small. Besides, students who are rejected at one university are able to seek admission to other institutions of higher education. Thus, most of those who apply for higher education are accepted (Hartnett, 1982).

On the other hand in school level, Tymms (1995) reported that a comprehensive monitoring system in England which is called ALIS (A-level information system) had been extended to investigate the effectiveness and ineffectiveness of the departments as their students joined the University. Tymms (1995) predicted that effective departments could have negative consequences if they pushed their students on the courses where they (students) found that they were out of their

depth. This phenomenon might have an adverse impact on their academic achievement.

#### 1.2 RESEARCH PROBLEM

The decision of whether to admit a student to a Degree is difficult one (Hirschberg & Itkin, 1978; Remus & Wong, 1982). The quality of the students joining a University will eventually determine the quality of graduates. This in turn will reflect upon the reputation of the Higher Education Institution. Selection Committees of the Departments of Higher Education Institution (University and University College) want to choose students who will succeed in Degree level and in their subsequent careers. A major problem in applicant selection is to find valid criteria upon which to base admission decisions (Lust, 1981; McQuade, 1975; Goldman & Slaughter, 1976; Wood, 1980).

#### 1.3 PURPOSE OF THE STUDY

The major purpose of this study was to investigate the relationship, if any, between academic success at universities and predictor variables such as prior achievement and socio-economic status.

#### 1.4 BASIS FOR THE STUDY

The present researcher attempted to collect data for this study from his own country Saudi Arabia in respect of the data related to High School Total Score (HSTS), undergraduate Grade point Average (UGPA), Graduate Point Average (GPA), Final dossier rating and final interview rating and other applicant factors exist in the admission to degree level. When the researcher put the data in the statistic package for the social science (SPSS) package for analysis the results were problematic which made the data un-useable. After this failed attempted to collect the proper data from Saudi Arabia, the study concentrated on the data of English System.

Fitz-Gibbon's (1995) study favoured a system to evaluate education institutions (Schools) within school system. Fitz-Gibbon created a model for the self-evaluating educational system (ALIS). This study is undertaken on the readily accessible forms of data and work done by Fitz-Gibbon (1995) and Tymms (1995). So the selected paradigm is based on Fitz-Gibbon (1995) and Tymms (1995) studies. In this study, drops-out are not included, because most reported studies of relationship between A-level attainment and degree performance consider only those who have graduated. Further this study was that of criterion

related validation, specifically predictive validity. The predictive validity relates to the extent to which a student's future level of performance (degree) is related to the mean grade achieved by the students at O level (AVO), Likelihood Staying in education (LSE), socio economic status of the Head of House (HOH), and the A-level grades themselves.

#### 1.5 THE RESEARCH QUESTION

The major research question that structure this proposed study was the following: What is the relationship between the predictors variables (AVO, LSE, HOH and A-level) and the criterion variable i.e. Degree level.

#### 1.6 SIGNIFICANCE OF THE STUDY

The findings of this study will help the Higher Education Institutions to assess the predictive utility of the criteria used by the admission committee to select the students. With this knowledge, the admission process may be re-evaluated and improved. Using criteria to select applicants for admission that are valid indicators of those applicants' future academic success is of prime importance because they serve as a protection for students who otherwise waste their time

and money or an educational endeavour that may fail to complete. In addition, admitting students equipped to succeed in the educational programme and in their professional lives is the stepping-stone to the development of a department's reputation in the University. Another consequence of admitting students who are academically equipped to succeed in the program is that the Department's withdrawal rate will decrease.

The results may generalise to other country's Educational Institutions having similar student populations and evaluation instruments.

#### 1.7 ORGANISATION OF THE STUDY

The proposed study is organised in five following chapters:

- Chapter 1: Include a background for the study, purpose of the study, a statement of the problem and research question and significant if the study.
- Chapter 2: Contains a review of pertinent research literature. The theoretical framework and empirical evidence are two major parts of this study.
- Chapter 3: This chapter contained the research design and methodology, the study sample, variables and data sources.

- Chapter 4: Contains the results of the data analysis. The findings are interpreted and the results are discussed.
- Chapter 5: This last chapter of the dissertation include a brief summary study problem and major conclusions of the investigation are set forth.

  Recommendations are also made for further research.

#### **CHAPTER TWO**

#### REVIEW OF LITERATURE

#### 2.1 INTRODUCTION

The predicting the success of prospective school and university students has been a problem facing undergraduate and undergraduate committees for decades. Defining what constitutes a successful performance is one part of the problem (Goldberg and Alliger, 1992; Hartnet and Willingham, 1980). Another part of the problem for admission committees is to determine what measures are necessary to predict successful undergraduate and graduate student performance. The measures, refined over the years, are the admission requirements of the college and university. The literature included in this review contains research studies relevant to investigating the validity of the measures of High School Grade Point Average (HSGPA) in the United States and standardised scores from aptitude tests, reading and vocational interest inventories that are often used in student assessment and for the prediction of success in a University programme of studies and for their utility as counselling tools for helping students to make realistic and meaningful career choices.

Numerous studies have addressed the many facets of the predictive validity question. A limited number of studies have focused on prediction differences and prediction bias.

#### 2.2 WHAT IS VALIDITY

The classical definition of validity is: the extent to which a test measures what it is intended to measure. According to the APA Standards for Educational and Psychological Tests (1974), "validity refers to the appropriateness of inferences from test scores or other forms of assessment" (p. 25).

The validity of a test is situation specific. A test may be valid for one purpose and not be valid for others. There are four main types of validity, depending on the purposes for which tests are used. These types of validity are: content validity, concurrent validity, predictive validity, and construct validity. Content validity is concerned with whether or not the test covers the whole subject area which is to be assessed. Concurrent validity is concerned with whether or not the test scores estimate a specified present performance whereas predictive validity is whether or not the test scores predict a specified future performance. The difference between concurrent validity and predictive validity is the time of testing. Construct validity is the generalization made about the responses and results of assessments in relation to other

assessments. Construct validity cannot be directly measured, it involves the theoretical basis upon which the assessment is based. In the present study, predictive validity is most related to the variables or measures to be investigated.

A measure's predictive validity is its ability to predict performance on a certain criterion after a certain time interval. Predictive validity concerns the relationship or correlation between the predictor and the criterion and can be reported in terms of a correlation coefficient (Cronbach, 1971). It can also be expressed in terms of an expectancy table or expectancy chart (Anastasi, 1976). All of the forms are interdependent. However, the most common method used is the correlation coefficient which is also called the predictive validity coefficient.

There are a number of factors which can be expected to affect the predictive validity coefficient. One of them is time interval between the predictor measure and the criterion measure. The longer the interval, the lower will be the correlation. Another thing that influences the predictive validity coefficient is the restriction of range. If the predictive validity coefficient is counted from only a restricted, preselected group, the coefficient is expected to be low. However, predictive validity coefficient rises when a test is used on a group with a wide rang of ability (Cronbach, 1975). The non-linearition

between the predictor and the criterion can influence the predictive validity coefficient. The correlation coefficient between the predictor and the criterion will be low, if the regression line of criterion on the predictor is not linear. Furthermore, the reliabilities of the predictors and the criterion affect the predictive validity coefficient.

#### 2.3 PREDICTIVE VALIDITY STUDIES

The undergraduate Grade Point Average (UGPA) and Graduate Record Examination (GRE) scores are the most commonly used predictors in studies of graduate school success in the USA (Morrison and Morrison, 1995; Willingham, 1974). GRE scores are also one of the most heavily weighted admissions variables by graduate schools (Ingram, 1983). Other commonly used predictor variables in the graduate school admission process include references or recommendations from undergraduate professors, undergraduate academic achievements or awards, work experience, impression made during an interview, and Miller Analogy Test (MAT) scores (Oltman and Hartnett, 1985). These variables have also been examined in predictive validity studies, although not to the extent of UGPA and GRE scores. GRE scores combined with GGPA are often used as a device to select only the top scoring applicants and eliminating lower scoring applicants. Oltman and Hartnett (1985) found that UGPA in the undergraduate's major

field of study was the predictive variable most highly regarded by admission committees. Other variables of Under Graduate Point Average (UGPA), such as overall UGPA, and UGPA in junior and senior years were also highly Hackman et al (1970) found variables of UGPA to correlate regarded. inconsistently with measures of doctoral success in psychology. Willingham (1974) suggested that UGPA displayed low to moderate correlations in validity studies. Despite low to moderate correlations with measures of college / university success, virtually every graduate program requires UGPA as a criterion for admission. GRE scores have also shown low to moderate correlations with measures of college / university success, virtually every graduate program require UGPA as a criterion for admission. GRE scores have also shown low to moderate correlations with measures of university success. Given the fact that the two most widely used predictors of university /college success have low to moderate correlations with measures of college /university success, the task of selecting students for graduate programs seems extremely difficult.

The GRE has been studied extensively in predictive validity research. This could be due to the fact that GRE scores and to a much lesser extent MAT scores, are normally the only 'external' criteria used for admission purposes. External in this instance means that GRE tests were developed and administered by an agency outside universities. GRE scores are also a

measure apart from the student's academic and work experience. Oltman and Hartnett (1985) found that 64 per cent of the universities with graduate programmes either required or recommended that candidates for admission submit GRE general test results. They also reported that about 75 per cent of all doctoral programmes required or recommended submission of GRE scores. With such a large percentage of graduate programmes requiring students to take the 'external' GRE it is not surprising that a large number of researches have investigated the predictive validity of the GRE.

The correlation between GRE scores and Graduate Grade Point Average GGPA has been studied extensively. A list of GRE studies using GGPA as the criterion variables is shown in Table 1. Some studies reported correlation to the second decimal place while others reported values to the third decimal place. For consistency, the correlation coefficients in Table1 have been rounded to the second decimal. These studies span about three decades. The GRE/GGPA correlations tended to be inconsistent over that time period, showing a great deal of variability. About half of the correlations reported were statistically significant. Goldberg and Alliger (1992) conducted a meta-analysis of studies using GRE/GGPA correlations for students in psychology and /or counselling programmes. They found the correlations to be low. They found the (Graduate Record Examination Quantitative) GREQ/GGPA correlation to be .15 and (Graduate Record Examination Verbal)

GREV/GGPA correlation to be .15. These correlations would explain of about 2 per cent of the variance. Other factors must account for 98 per cent of the variance in GGPA. They concluded that GRE scores are not valid predictors of GGPA for psychology and /or counselling students. Morrison and Morrison (1995) also conducted a meta- analysis of 5,186 subjects from twenty-two predictive validity studies across several disciplines. Their results were similar to the results of Goldberg and Alliger (1992). They found the GREQ/GGPA correlation to be .22 and the GREV/GGPA correlation to be .28. These correlations produced a variance of about 6 per cent leaving 94 per cent unexplained. They concluded that the correlations were so low that they were almost useless for the purpose of predicting.

Table1: Studies Examining the Relationship between GRE scores and GGPA by Programmes.

Authors	Predictors	Criterion Measures	Programme	N	r
Kaczmarek & Franco	GREQ GREV	GGPA	Counselling (Males)	18	.04 .11
(1986)	GRET. GREQ GREV GRET		Counselling (Females)	25	.00 .56** .24 .52**
Roscoe & Houston (1969)	GREQ GREV	GGPA	Education	252	.21*
Williams, Harlow & Gab (1970)	GREQ GREV	GGPA	Education	84	.50 .37*
Dole and	GREQ	GGPA	Education	44	,11

Baggaley	GREV	<del> </del>		- 1	.14
(1979)					
Thornell &	GREQ	GGPA	Education	462	.30*
Mcloy	GREV				.49*
(1985)	GRET			l l	.44*
House (1989)	GREQ	GGPA	Education	260	.29**
, ,	GREV		(24 & under)		.29**
•	GRET				.30**
	GREQ	GGPA	Education	878	.24**
	GREV		(25 & older)		.35**
	GRET		` ' '		.34**
Kluever &	GREQ	GGPA	Education	248	.27
Green	GREV				.26
(1992)	GREA				.31
(1772)	GRET				.31
Mathews &	GREQ	FYGPA	Education	848	.11
Martin	GREV		(29 & under)	· · · ·	.16
(1992)	GREA		(25 02 011001)		.13
	GREQ	FYGPA	Education		.10
	GREV	11017	(30 & older)	į	.20
	GREA		(50 & older)	1	.15
House	GREQ	GGPA	Education	6,401	.18**
(1994)	GREV				.28**
	GRET				.25**
	GREQ	GGPA	Education	2,187	.20**
	GREV		(males)		.27**
	GRET				.26**
	GREQ	GGPA	Education	4,212	.21**
	GREV		(females)	.,	.28**
	GRET		(Tentales)	1	.27**
A	CDEO	GGPA	Padassias	67	.32**
Ayers &	GREQ	GGPA	Engineering	67	
Quattebaum	GREV		(Asian Studies)	- 1	.07 .01
(1992)	GREA	CON		26	
Thornell &	GREQ	GGPA	FineArts	35	.22
McLoy	GREV		!	]	.42*
(1985)	GRET				.36*
	GREQ	GGPA	Humanities	27	.35*
	GREV				.45*
İ	GRET	]			.45*
	GREQ	GGPA	Math/	58	.37*
	GREV		Science		.47*
	GRET		34.500		.48*
Goldberg &	GREQ	GGPA	Meta-	963	.15
Alliger	GREV	3377	analysis of	700	.15
(1992)	GREA		Psych	380	.29
(1992)	C.W.1		1	2.50	
			counselling		
Morrison &	GREQ	GĞPA	Meta-	186	.22
Morrison	GREV	}	analysis		.28
MORISON		ļ	,	ļ	
(1995)		FYGPA	Nursing	316	.15*
(1995) Rhodes,	GREQ	1			
(1995) Rhodes, Bullough &	GREV				.13*
(1995) Rhodes,					.13*
(1995) Rhodes, Bullough &	GREV	GGPA	Nursing	316	

	GRET				20*
Stricker &	GREQ	GGPA	Psychology	37	.26
Huber (1967)	GREV				.20
	GRET				.31
	GRE Psych				.35*
Wiggins,	GREQ	FYGPA	Psychology	46	.21
Blackburn &	GREV		( 1965		.20
Hackman	GRE Psych		Sample)		.34*
(1969)					
	GREQ	FYGPA		58	.10
	GREV		Psychology		13
	GRE Psych		(1966		.31
			Sample)		
Hackman,	GREQ	GGPA	Psychology	42	.15
Wiggins &	GREV		1		.22
Bass	GRE Psych				.23
(1970)					
Federici &	GREQ	GGPA	Psychology	47	.01
Schuerger	GREV				.30*
(1974)	GRE Psych	]		40	.19
House,	GRET	GGPA	Psychology	76	.15
Johnson &					
Tolone (1987)		l			
* p < .05, ** p<	:.01				•

The low to moderate correlations of the meta-analyses discussed above were similar to values reported by the GRE board, but with different conclusions. Schneider and Briel (1990) reported for the Education Tests Service (ETS) that GREV had a correlation of .29 with first year GGPA while GREQ had a correlation of .28 with fist year GGPA for 9200 native English speaking students. Schneider and Briel (1990) also reported that undergradute grade point average (UGPA) had a correlation of .34 with (First Year Grade Point Average) FYGPA and the correlation of GREQ,GREV,GREA and UGPA of .43. Their conclusion was that the combination of GRE scores and UGPA predicted FYGPA more effectively than UGPA alone. While this conclusion is true, the increased effectiveness appears slight. The correlation of UGPA alone was .34. This means that UGPA alone accounted for 12 per cent of the

variance of FYGPA. The variance of the GRE and UGPA correlation was .43<sup>2</sup> which equals 0.18. This means the combination accounted for 18 per cent of the variance in FYGPA, while UGPA alone was 12 per cent. The 6 per cent difference is very similar to the variances reported in the Goldberg and Alliger (1992) and in the Morrison and Morrison (1995) meta-analysis.

Thus to the results for individual studies Eight GRE/ GGPA predictive validity studies in education are listed in Table 1. While many of the correlations were statistically significant, the GRE/GGPA correlations for Education students were in the low to moderate range. The highest significant correlation reported was 0.49 for GREV/GGPA in a study by Thornell and McLoy (1985). This correlation produces a variance of .24 or 24%. The lowest significant correlation reported was .18 for GREQ/GGPA in a study by House (1994) conducted using Education students at Northern Illionis University. This correlation produces a variance of .03 or 3% GRE scores appear to predict GGPA inconsistently for students in Education.

There have been a number of predictive validity studies conducted in the area of psychology. Five studies using GRE scores to predict GGPA are shown in Table1. Inconsistent results were reported in these studies. GREQ scores appear to be a poor predictor of GGPA for students in psychology. GREQ/GGPA correlations also tended to be low and not significant, ranging

from a .01 to .26. GREV/ GGPA correlations also tended to be low to moderate for psychology students, with one correlation being negative. Correlations ranged from a non-significant -.13 (Wiggins, Blackburn and Hackran, 1969) to a significant .30 (Federici & Schnerger, 1974). GRE psychology subject Test scores tended to be the best predictors of GGPA for psychology students with three correlations being significant. Even though the correlations for the psychology subject Test were in the low to moderate (.19 to .35), they were stronger than GREQ and GREV correlations.

Other disciplines also reported inconsistent results for GRE/GGPA correlations. Kaczmarek and Franco (1986) reported some relatively high correlations for female students in counselling. They found a significant GREQ/GGPA correlation (.56) and a significant GREV/ GGPA correlation (.52) for female students. They also found some relatively low and not significant correlations for male students in counselling. Although the number of students in this study was relatively small, the inconsistency in the predictive validity for male and female students raises a question of gender bias.

Ayers and Quattlebaun (1992) studies the predictive validity of 67 Asian students in Engineering, whose best language was not English. They found that GREQ was significantly correlated with GGPA for those students with a

moderate correlation of .32. They also found that GREV and GREA were not significantly correlated to GGPA with extremely low correlations of .07 for GREV/GGPA and .01 for GREA/GGPA. The GREV and GREA use complex sentences that foreign students may not fully understand. These results seem to be consistent with GRE recommendations that GRE scores should be viewed cautiously as predictors of GGPA for students whose best language is not English. The correlations for the TEST of English as Foreign Language (TOEFL) in this study were also low and not significant (.05).

Rhodes, Bullough and Fulton (1994) in a study of nursing students found that GRE scores were significantly correlated to both FYGPA and GGPA. The correlations tended to be low, ranging from .13 for GREV/FYGPA to .20 for GREQ/GGPA and GRET/GGPA. They concluded that GRE scores were weak predictors of GGPA and not that standardised tests like the GRE do not assess the talents needed in a clinical discipline such as Nursing.

Ingram (1983) examined ten correlation studies of GRE scores and graduate success and found that GRE scores were unable to consistently predict graduate school success. The inconsistently of the GRE for predicting graduate school success as determined by graduate grade point average has caused researchers as well as ELS to recommend that institutions conduct

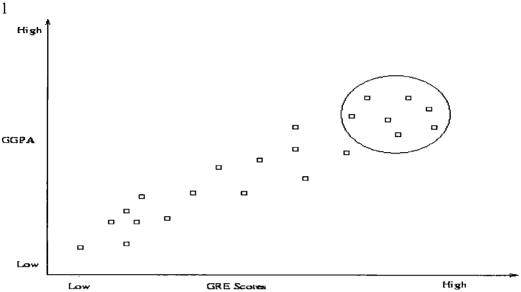
addition research on predictive validity (E.T.S; 1989; House, Johnson and Tolone, 1987).

#### 2.4 CRITICISMS OF PREDICTIVE VALIDITY STUDIES

There have been a number of criticisms of predictive validity studies and of predictive validity studies involving the GRE in particular (Willingham, 1974). These same criticisms are found in current studies (Goldberg and • Alliger, 1992). Restriction of range has been a problem in almost every GRE predictive validity study. Student populations used for predictive validity studies are usually limited to students who have already been accepted by the graduate school, instead of from a population of students who applied for admission. By eliminating the students who were not accepted and using data only from students who were accepted, the range of student scores has been restricted. Givner and Hynes (1979) have shown that validity coefficients may be substantially lowered due to this type of restriction of range. Huitema and Stein (1993) studied a population that was not restricted by range. They found that the correlations in their unrestricted range sample were similar to correlations from studies with restricted range populations that had been adjusted by using formulas for the correlation of restriction of range. However, House (1983) found that the effects of restriction of range maybe

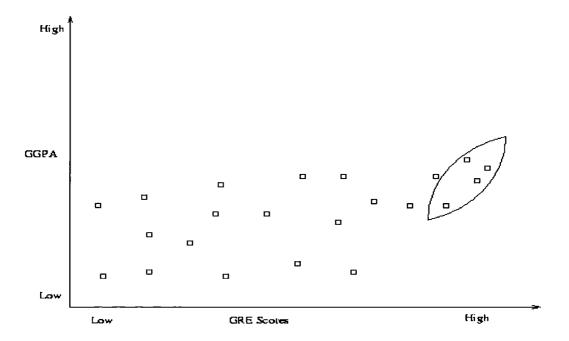
slight in some cases. A hypothetical situation of restriction of range is shown in Figure-1.

Figure 1: Hypothetical Restriction of Range Situation 1



When the group of applicants is taken as a whole, there is a positive correlation between GRE scores and GGPA. When only students who were accepted into the programme are considered as a group (point within the circle), no correlation or only a slight correlation between GRE scores and GGPA occurs. In most predictive validity situations the only GGPA data available is for students who have been accepted into a programme, so it is impossible to know if this situation actually exists. A hypothetical restriction of range situation is illustrated in Figure-2.

Figure 2: Hypothetical Restriction of Range Situation 2



In this situation, the students who were accepted into a programme are represented by the points inside the oval. When they are considered as a group, there is a positive correlation between GRE scores and GGPA even though the result would probably not be statistically significant. All students who applied for admission are represented by all the points both inside and outside the oval. When they are considered as a group there is little or no correlation between GRE scores and GGPA. This situation is also difficult to verify because GGPA data is normally only available for students accepted into the programme.

Restriction of range can also occur by the narrow range of GGPA earned by graduate students. Grade inflation is a problem that concerns adult educators. The trend of professors giving increasingly higher grades over the last thirty years is well documented. Shea (1994) reported that the average grade at Harvard University in 1970 was B or B-. The average grade in 1995 is now A-or B+. Farley (1995) reported that only between 10% and 20% of college students receive grades lower than a B-. Most graduate students earn either A's or B's in their courses, making their GGPA between 3.0 and 4.0. Dole and Baggarley (1979) reported that about 75% of all grades given graduate Education programmes within a metropolitan area where A's. Since grades are a formal university evaluation, the tend of giving mostly A's and B's makes distinguishing between high and low achieving students very difficult. This type of restricted range makes differentiation of grades difficult (Hartnett and Willinghan, 1980).

A second criticism of validity studies is the criterion problem (Hartnell and Willingham, 1980). Defining graduate student success is a difficult problem and all criteria have drawbacks. GGPA has some positive features as a criterion variable. It is available for all students, it is easily understood by most people, and it provides continuous, yet limited range of values. GGPA also has several drawbacks as a criterion variable. As stated earlier, grades at the graduate level do not vary greatly, which makes differentiation of student

achievement difficult. If A- is average grade given for college students, then different between the top students who receive the A+ and the average students who receive the A- is very difficult, because both the grade of A+ and the grade of A- receive four points toward their GPA.

Grades can also vary across disciplines and within disciplines across disciplines across different institutions (Goldman and Slaughter, 1976; Hartnett and Willingham, 1980). Some studies have accounted for this variation by using grades from one university and in specific courses from within one discipline (House, Johnson, and Tolone, 1987). The implication is that by narrowing the population to a specific discipline within one university, then some of the grading variations are minimised. Therefore, narrowing the population to a specific major within a specific discipline within one university would further minimise the effects of grading variations.

Degree attainment has been a frequently used criterion variable. Williams, Harlow, and Gab (1970) found evidence that graduation/ non-graduation as a criterion variable could be more useful than GGPA even though the GGPA of students who graduated was 3.73 and GGPA of students who did not graduate was 3.51. Whether or not a student graduates is the ultimate test of their success in graduate school (Hartnett and Willingham, 1980). By awarding the

student a diploma, the university has given the student its stamp of approval meaning the student has successfully fulfilled the school's requirements.

Degree attainment does have some limitations as a criterion variable. Using graduation/ non-graduation criterion variable assumes that students withdraw for a variety for academic reasons as well (Hartnett & Willingham, 1980). Another limitation is that it is a discrete variable rather than continuous. This can cause some statistical problems, especially in studies where a regression is used to predict a student outcome.

Other criterion such as comprehensive exam scores, dissertation quality, faculty rating scales and evidence of professional accomplishment, and length of time to degree, all have shortcomings (Hartnett and Willingham, 1980) that make them less than desirable as criterion variables in GRE predictive validity studies. First year graduate grade point average has been used frequently by ETS in correlation studies involving GRE scores. Therefore, it would make sense to use GGPA as the criterion variable in study involving GRE scores.

#### 2.5 DIFFERENTIAL VALIDITY AND PREDICTION BIAS

Standardised tests, such as the GRE, that are used for student selection purposes should predict student success similarly for all groups of students.

Prediction bias is present if systematic differences exist between the test score and the criterion variable for different subgroups of students (Reyrolds, 1982). One method for studying prediction bias is a method known as differential validity (Jensen, 1980). This method tests validity coefficients of sub-groups of students for significant differences. Fisher's Z transformation has been suggested as a statistical procedure before testing correlations for significant differences (Edwards, 1984). This method has been used to assess whether the correlations of subgroups are estimates for the same population. If Z transformation of the correlation coefficient are statistically significantly different, then the correlations are significantly different, which means it can be assumed that the correlations come from different populations. If Z transformation is not statistically significant, then the correlations can be assumed to come from the same population. Several studies have employed this technique to examine differential validity (House, 1989; House, 1994; House & Keeley, 1993; Kaczmarek & Franco, 1986). For example, differential validity of GRE/ GGPA correlation coefficients with respect to gender groups could be assessed. Validity coefficients for men and women from the same pool of students would first be computed. Fisher's Z transformation would then be calculated to determine if a significant difference between correlation for men and the correlation for women exists. Differential validity could be useful in studying prediction bias for age groups, gender groups, as well as racial and ethnic groups.

Another method for studying prediction bias employs the mean error of prediction for different subgroups (Reynolds, 1982). An example using GRE scores and GGPA for gender groups will help illustrate how this statistic computed. The first step in this process is to compute a regression equation. This then used to calculate a predicted GGPA for each student from each student's GRE score. The student's actual GGPA is then subtracted from the predicted GGPA leaving a residual score. Mean residual scores are computed for male students and for female students. These mean residual scores are the mean error of prediction for each gender group. If the mean error of prediction is positive, then the predicted GGPA is higher than the actual GGPA. This mean GGPA was over predicted for the group. If the mean error of prediction is negative, then the predicted GGPA is lower than the GGPA, which was actually earned. This means that GGPA was under-predicted for that group. The final step in this process is to use an analysis of variance (ANOVA). ANOVA determines if a systematic error is present by testing mean residual scores for significant difference. This process has been called the Cleary Model for investigating prediction bias (House& Keeley, 1993). T.Anne Cleary (1968) investigated prediction bias by comparing differences of predicted and earned of Negro and white students in integrated college.

## 2.5.1 GENDER BIAS

As more women are entering graduate school, gender has become an important consideration for admission committees and for admission tests like the GRE. The general trend for the few studies that have focused on gender differences has been that academic performance (GGPA) has been underpredicted for female students and over-predicted for male students. Most of the research on gender bias has been done at the undergraduate level. House and Keeley (1993) found that MAT scores under-predicted GGPA for female students and over-predicted GGPA for male students. Similar findings were also reported for three specific course grades. Kacmarek and Franco (1986) found that for a very small sample of counselling students that GREO scores did not predict GGPA similarly for men and women. House (1994) studied a sample of 6,403 graduate level Education students. He found that correlations between GRET, GREQ and GREV and GGPA were all significantly stronger for women than for men and that GRE scores may exhibit differential validity as a function of student gender. The limited number of gender bias studies at the graduate level and the results that indicate that GRE scores do not predict GGPA similarly for gender groups make it obvious that more research is needed in the area of gender bias for graduate level students.

#### **2.5.2 AGE BIAS**

Because older students are now entering college / University in great numbers, age has become an important consideration for admissions tests like the GRE. Sticker and Rock (1985) examined 1000 GRE scores of students in each of three different age groups who had taken the GRE General Test during 1982. Age groups were divided into three groups: ages 20-29, age: 30-39 and age: 40-49. They found mean GREQ scores of 545 for the younger group, 505 for the middle group, and 433 for the older group. They found mean GREV scores of 491 for the younger group, 513 for the middle group and 494 for the older group. They also found mean GREA scores of 536 for the younger group, 481 for the middle group and 432 for the older group. The general trend was for GRE scores to decline with the age of the student, the only exception being mean GREV scores in which all three age groups scored similarly. Relatively few studies have focused on age differences in the prediction of GGPA from GRE scores. Clark (1984) examined GRE scores for four age groups (those age 24 or less, 25-29, 30-34, and 0ver 35). She found the predictive validity of GRE scores to be in the low to moderate range, with no distinct pattern of correlation coefficients for age groups. She did find that GRE scores over-predicted FYGPA for the two younger age groups and under-predicted FYGPA for the two older groups. Swinton (1987) found that older (25 and older) female students from a variety of academic disciplines had a tendency to earn a higher GGPA than was predicted by their GRE scores. He also found that the GGPA of younger (24 and younger) female students were lower than predicted by their GRE scores.

House (1989) found that GREQ and GRET scores for older (25 and older) students tended to predict grades that were lower than the students actually earned (under-prediction). He found GREQ and GRET scores also predicted GGPA for younger (24 and younger) students that were higher than were actually earned (over-prediction). House found no evidence of differential validity between GRE and GGPA correlations. Mathaws and Martin (1992) found that age bias was present in a study of 925 Education majors. This study used the definition of 'older' student to be 30 years of older instead of the definition of 25 or older as in previous studies (House, 1989; Swinton, 1987). In a study involving another standardised test, House and Keeley (1993) did not find prediction bias in a study of older and younger students in Education using MAT scores to predict GGPA. They did find significant differences in grades earned in two of five specific education courses. In these courses, the grades of older students were under-predicted and grades of younger students were over-predicted.

## 2.6 GCE A-LEVEL ATTAINMENT AND DEGREE PERFORMANCE

Peers and Johnson (1994) argued that A-level examinations serve the dual functions of assessing knowledge and predicting academic performance. The significant role that A-level examinations have in respect to higher education in England and Wales is well recognised. In 1990 approximately 90 per cent of entrants to universities were accepted on the basis of their A-level results (Smithers & Robinson, 1991). From the earlier studies, it is revealed that a little attention has been paid, in the UK in recent years, to the relationship between knowledge prior to entry into higher education in school as well as subsequent degree performance. The study related to examine the relationship between A-level and subsequent degree performance was not so old (Sear, in 1979; published in 1983). Most of these particular literature are sparse, and either outdated or narrowly focused (Billing, 1973; Bourner & Hamed, 1987; Forrest, 1989). Peers and Johnson (1994) reported that when synthesised by traditional review methods, findings were equivocal. Some studies have found either no relationship between A-levels and final degree performance or a negative relationship (Barnett & Lewis's 1963 re-analysis of Petch's data; Entwistle & Wilson, 1977; Rees, 1981; Wankowski, 1970), whilst other investigators have reported small but positive correlations (Abercrombie, Hunt & Stringer, 1969; Bourner & Hamed, 1987). Despite these findings it is

generally assumed that A-levels have sufficient predictive validity to warrant using them as the primary means of university selection.

The inconsistencies in the reported relationship between A-level and degree performance have mostly been attributed to aspects of study design or statistical artefacts such as sampling error. Hunter &Schmidt (1990) identify 11 artefact categories that could mediate a study correlation in comparison to the actual correlation. They argued that the most damaging artefact in conventional reviews is sampling error. If residual variation across studies remains after adjusting for sampling error then this is indicative of a moderator variable(s) operating. Since it has not been established that variation may be attributed to systematic effects there has been little attempt to ask what these might be (Peers and Johnson, 1994). Some other work suggests possible answers. It is well established that learning approach is a generic term referring to thinking processes, and motivational and goal oriented aspects of learning. It is assumed to be relatively stable states within individuals (Volet & Chalmers, 1992), related to academic performance (Marton & Saljo, 1984). From the perspective of general learning theories the complex relational aspects of cognitive components of prior knowledge, personality, motivation and academic performance are well researched. There exists a diverse body of literature on students' personality, motivation and academic performance in higher education (Entwistle & Brennan, 1971;

Entwistle & Entwistle, 1970; Entwistle, Nisbet, Entwistle & Cowell, 1971; Entwistle, Percy & Nisbet, 1971; Furnham & Mitchell, 1991; Green, Peters & Webster, 1991; Walton, 1987; Wilson, 1971).

Recently, empirical studies of learning in higher education have focused on the relationship between cognitive elements and contextual factors in the learning environment. Whilst a contextual influence on learning approach has been shown (Entwistle, 1987; Hodgson, 1984; Ramsden, 1984), mediating effects of contextual variables on prior knowledge and learning results in higher education have received less attention. Dahlgren (1984) has focused the need to consider interrelationships between cognitive, contextual and experiential aspects of students' learning. Janssen (1989) has also proposed a theory of studying in higher education which incorporates experiential, cognitive and motivational concepts. Motivational and personality variables with A-level data has been shown by Freeman (1970), Hamilton & Freeman (1971) to improve the predictability of academic success, and based on Janssen's theory, Minnaert & Janssen (1992) have shown the direct and substantial influence of prior knowledge, learning context/experience (curriculum completed) and intrinsic motivation on examination success in higher education. A number of studies (Meyer, 1991; Nuy, 1991; Sheppard & Gilbert, 1991) have examined how teaching methods at university level interact with students' own approaches. These studies all make clear that students differ widely in their ability to benefit from teaching that encourages them to develop a more mature learning approach. However, none of them includes data on the students' qualifications on admission to university.

# 2.7 RESEARCH ON GRADES AND TEST SCORES USED IN PREDICTION

## 2.7.1 SCHOOL GRADES AS PREDICTORS

The value of group psychological tests for use in selecting students into University courses was first studied in 1925, at Smith College, Massachusetts. The test battery used was the Intelligence Examination devised by E.L.Thorndike. The study determined the test battery was a better predictor of first year success than it was of later years. The findings also indicated that the test results were unable to predict long term stay in college. High school records were found to be as accurate in their prediction of student's first year of academic success in college (Rogers, 1925). College and pre-College GPA's were computed from records collected from 24 college and Universities in Missouri in 1966 to help determine the statistical relationships between elementary and high school grades with college GPA. First semesters students who had completed their elementary and high school years in the same Missouri school district were used for the sample group. The eight-grade

averages and high school GPA's were found to be equally effective predictors of college performance (Lewis, 1966). Research on prediction conducted in the province of Ontario also found HSGPA to be a better predictor of University success than were students' scores obtained on aptitude tests such as the Ontario Scholastic Achievement Test (OSAT), SAT, and the SACU (Allen et al; 1983).

# 2.7.2 PREDICTION FIRST YEAR COLLEGE/ UNIVERISTY SUCCESS

A thirteen-year study at the University of Georgia looked at the SAT measures when combined with High School Grade Point Average (HSGPA). It determined that the low increase in statistical significance was neither predictive efficient nor cost-effective (Fincher, 1974). Thornell & Jones (1986) examined the value of the American College Testing programme (ACT) and secondary school programme as predictors of academic performance for the first year of College. Their study found that High School Rank (HSR) and ACT scores were both significantly related to first year college grade point average. The higher correlation with College GPA, however, was found to be related to the secondary school programme. O'Connor and McAulty (1981) had previously found in 1980 that ACT scores were able to predict engineering students success, however, they cautioned

that students' who scored low should not be denied admittance because there were additional indicators of successful performance in engineering school. A critical study of first year students was conducted by Holland and Richards (1965) of the ACT. This testing measures found, in general, correlations between academic measures and achievement were significant but low (0.04) for a sampling of 3,770 male students and 3,492 female students. Studies conducted at the University of Regina (Mundle, 1978; Magusson, 1981; Dahlern, 1984; MacDonald, 1984) were design to help determine the use, predictability and effectiveness of various standardised tests, including the Differential Aptitude Test (DAT) that were administered to education students during the first semester of their education programme. They found similar results indicating that HSGPA showed the highest correlations with first year university GPA. A Canadian study conducted at the University of Victoria examined the relationship of first year University grades and grade scores obtained on academic measures assessed by the General Education Development Test (GED) taken by mature students, the study found that the GED scores used in prediction of University grades provided little information regarding student success (Ayeres, 1980).

## 2.7.3 PREDICTION BEYOND FIRST YEAR

The largest body of research conducted in North America indicates that High School Grade Point Average is the best single predictor of first year University grades (Siegleman, 1971). Students with higher SAT scores on entrance to University were reported by Sgan (1964) to more likely have higher of four year grade point averages than students with lower SAT scores. Juola (1966) at Michigan State University reported a pessimistic view of the value of ability test scores for prediction of college success beyond the students' first term. Husmphrey (1968) also found that senior College grades are much less predicable from entrance information than are freshman grades. Lunneborg and Lumebog (1970) also reported that senior GPA was not as early predicted as was Freshman GPA. Wilsom (1980) suggested that the most appropriate measure for comparative analysis with HSGPA would be the final cumulative grade point average, based on all work completed by students during their undergraduate courses. However, Wilson's 1983 study found admissions measure to be insufficient for predicting performance beyond the freshman year. He determined from these studies that freshman- year GPA does not sufficiently represent a student's academic performance.

Researchers in North America have often debated the findings on prediction of University success from scores obtained on standard tests. For example,

Humphreys (1976) criticized researchers, such as Mauger and Kolmodin (1975) for using cumulative GPA, and generally conducing that senior college grades are as predictable from entrance information as are freshman grades. Mauger (1971), in response, criticised Humphrey findings and suggested that he may not have allowed for range of talent, or reduced grade variance, and that this resulted from his use of highly motivated minority group of students who persist to graduate. The difference in finding was pointed out by Humphrey (1976) to be due to the difference in statistical methodology used for data analysis.

Researchers, such as Mauger and Kolmodin have generally used cumulative GPA, whereas, Humphreys found that when GPA's are independently computed for each semester of undergraduate achievement the results indicate that senior college grades are less predictable from entrance information, such as scores from standardized aptitude tests. Humphereys concluded that restricted range of talent, reduced grade variant, or reduced grade reliability were not responsible for the lower predictability of senior college grades. He recommended that psychologists should, therefore, abandon their interest in cumulative GPA (Humphreys, 1976).

A review of the studies conducted on academic criteria, students' performed qualities and admission requirements indicated that college success seems to

be extremely difficult to pinpoint, especially since most correlations between measurements of success and scores on assessment instruments are generally found to be weak (Hiss et al. 1984). The National Educational Longitudinal Study of 1988 conducted on 26,000 randomly selected eight-grade students with follow up surveys taken at two year intervals after the original eight grade test period, found that aptitude measures from standardised tests generally fail to predict future academic achievement (Russo, 1988). HSGP was determined to be a better predictor of success to teacher education than aptitude tests scores (AACTEP, 1993).

## 2.7.4 STUDIES EXAMINING APTITUDE SCORES IN PREDICTION

Price and Kim (1976) at Kansas State College noted a decline over 11 year period prior to 1976 in the 'Average Scores' of college bound high school students on the Scholastic Aptitude Test (SAT). Their study conducted from 1974-75 found that HSGPA was a more significant predictor of college performance. Social Science and Mathematics scores from the SAT were the recommended variables for prediction or alternatively the ACT composite together with high school composite grades. The ACT scores were believed, however, to be more significant in predicting individual ability to perform in college. There was also a noticeable decline from 1961 to 1974 in the ability of SAT over HSGPA to predict college grades in general (Dalton, 1976).

Fincher (1974) concluded from an analysis of the data collected from the SAT over a 13 year period at the University of Georgia, that the SAT did not prove to be of value for either predictive efficiency nor for cost-effectiveness. Trusheim and Gouse (1984) determined the SAT provides, 'virtually no additional information beyond the high school record'. Personal application forms were determined more significant in student assessment than were aptitude measures (Fergusson, 1991) which often minimal benefit to the assessment process (Crouse, 1991) and small contribution to prediction (Baron & Norman, 1992; Young & Barrett, 1992) and should be used cautiously (Jenkins, 1992).

## 2.8 EUROPEAN INVESTIGATION ON PREDICTION

The European Symposium, reported by 12 Western European countries was held in 1978, at the Werner Reimers Foundations in Hamberg, West Germany, to study the use of tests and interviews for admission to higher education. The symposium found that secondary school marks were the most reliable predictor of future academic success. It did not matter whether the school marks resulted from continuous assessment or final examination. Personality tests were found to be unsuitable for prediction of academic success. Scholastic aptitude tests were seen as having only moderate predictive value

provided they were administered under realistic conditions of operation and under careful scientific control (Mitter, 1979).

#### 2.9 GRADING PROBLEMS

Grading at its best has often been found to be inaccurate and unreliable. The rise in the average level of undergraduate grades reported in the 1960's was found to coincide with the decline in average scores on the scholastic aptitude test. However, there did not appear to be a lowering of grading standards (Weller, 1984). A study of four years achievement at the University of Illinois from 1962 to 1967 found substantial change in students' grades from semester to semester indicating an overall increase in GPA (Humphreys, 1968). The phenomena of increased grades, which continued through into the 1980's was suggested by Weller (1984) to be due to the use of a variety of available options for students to improve their final course grade. Weller (1984) found there is a general reluctance on the past of the faculty to "fail" students. He explained this may be related to the use of student evaluations as part of the criteria for grading promotions and tenure of faulty.

## 2.10 PROBLEM WITH GPA: LACK OF STANDARISATION

Goldman and Slaughter (1976) had previously pointed out, from their study of students enrolled in five undergraduate classes, three sciences and two social sciences at the University of California, that many errors in the selection of college students are inversely related to the validity of the predictors employed. They concluded the generally weak validity with which GPA has been predicted give rise to a substantial number of selection errors, therefore, the problem is not a predictor problem, rather, it is a criteria problem. They further conduced that as long as there are radical differences in grading standards, and students are able to choose most of their classes, then no predicting will have more than moderate validity for predicting GPA. The validity problem was determined to be a result of the shortcomings of the GPA, is the lack of standardisation (Goldman and Hewit, 1975). This variation in grade standard existing from institution to institution has been referred to as the "differential department grading standard" (Wigington, 1985).

One 1989 comparison of the grading standards of thirty Canadian University found, "there are very real differences in percentages of first class grades given from University to University" (Mitchell, 1990). Admissions officers were cautioned by Young (1990) to understand that the validity of coefficients

used in grade prediction have been artificially depressed by the degree of measurement error found to be inherent in GPA. GPA did not predict success on teacher preparation programmes (Morgan, 1991).

## 2.11 OTHER FACTORS AFFECTING GPA

Studies conducted to evaluate the relationship between academic predictors and academic achievement have often determined that academic success is found to be associated with both cognitive and noncognitive factors (Pascarella & Terenzimi, 1980). Roueche and Archer (1979) cautioned that HSGPA can be influenced by grade inflation and social promotion and is of little use at the community College level (Goulick, 1986). Achievement measures in the 'Humanities' were found to be more socially defined in comparison to achievement measures in the 'Sciences' (Polydorides, 1986). Stafford el al; (1984) stressed the need to consider social and economic factors which are found to effect academic achievement. Psychological factors were also found to effect academic success (Castenedc, 1985). In their 'Conceptual Model' of individual participation in higher education, Lundstedt and Lynn Jr, (1984) found there was not enough adequate data available to be able to include an individual, immediate social and psychological factors into their study in a meaningful way. They, however, stressed the importance of including these factors for the development of a work able model.

A longitudinal study conducted the Maryland University in 1988, based on HSGPA and scores on the Scholastic Aptitude Test found that regardless of aptitude and higher school performance there was a tendency toward unrealistic expectations in students whose educational goal at the time of their freshman year involved going onto a professional faculty. Regardless of the HSGPA obtained, the problem of a student's self-perception of their future potential and their future aspirations remained to be determined. Another factor found important for consideration is a student's personal motivation to complete the engaged goal (Maryland, 1988). Winter (1977) previously hypothesised that the relationship between motivational factors and academic performance takes the shape of a reversed U curve. Students with high or low motivation were determined to not perform as well as students who fall in the middle levels of this motivational curve. Although Aptitude measures are found to identify students who are high and low academic achievers they do not adequately identify students in the middle range (Westhoff, 1980). A longitudinal study conducted at Cloork University on academic motivation found motivation to have low-correlation with aptitude measures (Bakes & Siryk, 1988).

Karmos and Karmos (1984) found students' attitudes toward taking achievement tests, as determined by attitudinal measures on the Attitudinal Test (AT) accounted for 14% of the variance in their academic aptitude, as

measured by SAT scores. The researchers cautioned that this influence should be considered by researchers on achievement of test performance.

Studies conducted on predictors of academic success of very high achieving students generally indicate that academic ability is not the only factor of college success (Baird, 1985). Noncognitive factors generally have been found to be related to college success for North American students (Farver, 1975; Tracey and Sedlacek, 1987). Noncognitive factors were also found to be significant for international students (Boyer and Sedlacek, 1988). Research on academic prediction generally concurs that there are other factors than academic related characteristics which affect assessment beyond secondary schooling (Jones, 1990). However, Sedacek (1989) stressed that non-cognitive factors should be used in admission procedures in higher education.

#### 2.12 IMPACT OF SCHOOLING

There are several studies which suggest the schools have an impact on the achievements and attitudes of their students (Rutter el at, 1979; Willms, 1987). In their studies Fitz-Gibbon (1992); Smith & Tomlison (1989), Tymms (1993) have observed that schools may not be the best unit of analysis and departmental effects may not be considered in this regard. Tymms (1995) also investigated the relationships between the effectiveness of A level

departments comprehensive schools, Sixth Form Colleges and Further Education Colleges in England and the success and attitudes of students several years later, in job, training and academic matter. He found that students' A level grades appeared to be influenced in fairly equal measures by the effectiveness of the departments which taught them and by the relative ease of subject taken. Those who attended effective departments tended to be advantaged by about a third of grade per subject, whereas students taking a relatively easy set of A levels were advantaged by about a fifth of a grade. Whether a student attained a degree or not was not related to the level of ease of the A level course studied (Facility). However, students who followed a relatively hard 'A' level course were significantly more likely to move straight onto successful degree course after A levels. Tymms (1995) also observed that there was no indication that degree classification was related to attendance at an effective A level course. The Academic self-concept of students was higher, the higher the effectiveness of the A level departments that they attended. It was higher the more academic the Higher Education course attended and the higher the Relative Standing. So students attending effective A level departments were more likely to obtain degree and have higher Academic self-concept.

## 2.13 REDICTIVE POWER OF READING TESTS

The Reading and English sub-tests of aptitude test batteries are often reported in research conducted on aptitude instruments. The English subtest of ACT has been found to be significantly related to college grades, but, the Mathematics sub-test and social science Reading subtests were found to be even more significantly correlated with prediction of future scholastic success (Price and Kia, 1976). The English and Reading subtests of the ACT were found to have predictive value, however, there proved to be a steady reduction in prediction validity over the first three years of college performance (Humphreys, 1969). The social science and physical science Reading subtest of the ACT were found to have greater predictive power than the English subtest; however, high school rank proved to be the best predictors of college success (Humphreys, Lewry and Taber, 1973).

## 2.14 INTEREST AND ACADEMIC ACHIEVEMENT

Interest and academic success have been found to be closely related. Interest has most often been generalised to be associated with vocational choice. The concept of 'Interest' as related to vocational choice was defined by Super (1949) as; "the collective information about an individual's personal interests, and preferences (likes and dislikes) for certain activities, events, and people

that uniquely and generally link the individual with specific areas of work". Implicitly, it appears that a profession may represent a way of life as well as a way of earning a living.

# 2.15 DEVELOPMENT AND GENERAL RELIABILTIY OF STRONG CAMPBELL INTEREST INVENTORY (SCII)

To help determine students' "interest" for specific vocations the Strong Campbell Interest Inventory (SCII) was first administered in 1927 (Strong, 1927). The SCII-T32s has generally been found to be highly reliable with good predictive validity in the range of 50% to 70% and is the most used instrument for vocational counselling (Walsh and Betz, 1985). Johnson and Johansson (1972) found that 75% of the people were in occupations related to their SCII profiles. Spokane (1979) found that 50% of the people in his study sample who took the test entered the profession in which they had high scores. A follow up study found the same people also reported a high level of job satisfaction. Further, a large number of people who entered careers in which they scored low, as indicated on the SCII profile guide, reported a high level of job dissatisfaction.

# 2.16 ASSESSMENT MEASURES AND POST UNVIERSITY PERFORMANCE

Researchers interested in the relationship between academic achievement and success in the 'real world work' have studied the utility of grades and assessment measures to indicate post-university performance. Hoyf (1965) reviewed 46 studies on the relationship between grades and college grades and 'real world work' achievement and determined there was no significant relationship between grades and success in business, engineering, medicine, scientific research or teaching professions. Gable (1967), based upon a review of previous studies on assessment measures and "real world work" achievement, emphasized the need to determine more appropriate admissions methods for selecting students. Similarly, Young (1986) found that grade point averages were negatively correlated with 'real world work' success of graduate students. These reviews on academic achievement and post-academic performance generally have concluded that post-performance is difficult to determine from grades and assessment measures such as aptitude tests.

## CHAPTER THREE

## DESIGN AND PROCEDURES

#### 3.1 INTRODUCTION

This chapter describes the design (methodology) of the study and procedure to be employed, including the sample selected for investigation, the test instruments to be investigated, the data collection procedures, the statistical methods employed in the analysis of the data, and the hypothesis statements formed to determine the relationships between the predictor variables with the criterion variable.

## 3.2 SAMPLE SELECTION

In order to conduct the empirical research, the researcher undertook field study to collect the data related to research at the Assessment and Evaluation Office, King Fahad University situded at Daharan, Easter province of Saudi Arabia. Data were collected from the academic record of the Assessment and Evaluation Office. These data consist of High School Total score (HSTS), under graduate grade point average (UGPA), graduate point average (GPA), final dossier rating and final interview rating and other applicant factors present at admission to

degree level. When the researcher put the data in the SPSS package for analysis the results were problematic. There were serious problem which made the data unusable.

In view of the above, the researcher made another attempt and collected data via e-mail from the Assessment and Evaluation Office, King Fahad University, Saudi Arabia. Variables of these data were as under:

- 1. High School Percentage
  - 2. High School Total
  - 3. High School Math
- 4. High School Chemistry
  - 5. High School Physics
  - 6. High School English
    - 7. RAM1 Total
    - 8. RAM2 Total
    - 9. RAM2 Math
    - 10. RAM2 Chemistry
      - 11. RAM2 Physics
      - 12. RAM2 English

Sample of the data is collected is appended in the Appendix-I. But unfortunately these data were also problematic hence rejected. As a result, as per the suggestion of the supervisor of the research, data used

in the present study from the readily data made available from the school of Education, University of Durham.

## 3.3 SAMPLE SUBJECTS AND SIZE

Fitz-Gibbon (1995) argued that education is a highly complex system and simple attempts to describe 'good schools' or 'effective practices' were misjudged. It required sensitive systems of performance indicators that were used to feed back information to the producers of education at local level, who could advance their own development. Fitz-Gibbon (1995) rejected the system to evaluate education institutions (schools) from 'outside' of the educational system as practiced in the office of standards in Education (OFSTED) model, and rejected associated fear based systems. Fitz-Gibbon recommended the self-evaluating educational systems such as A-Level Information System (ALIS), which currently involved many schools and colleges in United Kingdom.

This study is made based on readily accessible forms of data and work done by Fitz-Gibbon (1995) and Tymms (1995).

Tymms (1995) observed that this study involved students who had taken their 'A' Level examination in 1988 and they were followed up in 1993. The students who took part in 'A' Level Information System

The State of the second 
(ALIS) (Fitz-Gibbon, 1985, 1990, 1992) and had completed a questionnaire towards the end of their 'A' Level courses. As stated by Fitz-Gibbon (1996), A-level Information System (ALIS) project covered five North-Eastern Local Education Authorities in England and they took a sample of 2578 students who took part in the survey. 1167 students completed the questionnaire and had agreed that researcher could contact them later. The response rate was 47% of those who were sent questionnaire. However, it needs to be mentioned that in the research process a number of students dropped out (not joined in the graduation programme of the university) from that sample data1167.

## 3.4 SELECTION OF VARIABLES

#### 3.4.1 PREDICTORS VAIABLES

The following predictors variables were used for statistical analysis:

- AVO: The mean grade achieved by the students at O level. (Grade
   A= 7, B=6, etc).
- LSE (Likelihood of staying in education): Students were asked to complete the Questionnaires about their likelihood of staying in education at the time of their A-level. It is rated from six points scale.
- A-Level: Total A-level point score. Each A-level was rated from six points scale for each subject (-2 to 10).

• HOH (Head of the Occupation of the House): It is rated from the five scales. (5= professional, ....., 1= Unskilled).

## 3.4.2 CRITERION VARIABLE

To compare among the predictors variables with criterion variable; Degree Class has been selected as criterion variable in this study. It is rated from the six scales (0=fail, 1=pass, 2= 3rd, 3=2:2, 4=2:1, 5=1st).

## 3.5 STATISTICAL ANALYSIS

The overall purpose of this study is to investigate relationships between variables, it is considered as correlation research. Statistical evidence of the existence and strength of relationship between the predictor and the criteria measures was of major concern of this investigation. Following two procedures used in the data analysis:

- Simple correlation and regression
- Multiple correlation and regression

## 3.5.1 SIMPLE CORRELATION AND REGRESSION

A simple correlation is a mathematical measure of a relationship between two variables. The Pearson Product- moment correlation coefficient is the most frequently implemented index of predictive validity.

A correlation may be expressed on a continuum ranging from +1.00 to -1.00. A coefficient of +1.00 indicates a perfect positive relationship. This means that on two measures the highest on predictor measure (X) was also highest on criterion measure (Y). A coefficient of -1.00 indicates a perfect negative relationship. This means that the subject who scored highest on predictor measure (X) scored lowest on criterion measure (Y). A coefficient of zero means that there is no systematic relationship between the two sets of scores.

In this study, the Pearson Product-moment correlation coefficient was used to indicate whether there was a statistically significant relationship between each predictor and a criterion. There are four predictors against the main criterion (degree class). Those predictors are the mean grade achieved by students at O level (AVO), the students' likelihood of staying in education (LSE), the Heads of the House (HOH) and the Total A-Level.

The square of the correlation coefficient  $(r^2)$ , which is called a coefficient of determination, is used to express the proportion of variance of the criterion determined or accounted for by the predictor.

The simple linear regression model is fundamental to prediction research. The basic equation of simple linear regression is

$$\hat{Y} = a + bX$$

Where  $\hat{Y}$  =The predicted scores of the criterion

a = The intercept

b = The slope of the regression line

X =Scores of predictor.

Based on the validity coefficient and the standard deviation of the criterion, the criterion score can be predicted within a certain confidence interval by using the standard error of estimate,

$$S_e = S_c \sqrt{1 - r^2}$$

Where  $S_e = \text{Standard error of the estimate}$ 

 $S_c$  = Standard deviation of the criterion

 $r^2$  = Coefficient of determination

The standard error of estimate depends on two quantities: (1) how spread out standard deviation of the criterion is and (2) how strongly the predictor and the criterion correlate. If the validity coefficient of the predictor and the criterion is perfect relationship, there is no error of prediction, and the standard error of estimate will equal zero. The closer the validity coefficient gets to zero, the less accurate prediction become and the larger the standard error of estimate.

## 3.5.2 MULTIPLE CORRELATION AND REGRESSION

Multiple correlation coefficient (R) estimates the relationship between the combination of two or more predictors and a criterion. In this study multiple correlation was used to test (1) The relationship between the criterion of success (Degree Class), on the one hand, and the combination of (AVO) and (HOH); (Total A-Level) and (HOH); (AVO) and (LSE); (AVO) and (Total A-Level); (LSE) and (Total A-Level), on the other. (2) The relationship between the criterion of success (Degree Class), on the one hand, and the combination of (AVO), (Total A-Level) and (LSE); (AVO), (Total A-Level) and (HOH); (AVO), (Total A-Level), (LSE) and (HOH), on the other.

In multiple regression a major purpose of adding one or more predictors in the regression equation is to increase accuracy of prediction; in another way, to reduce deviation from prediction. The simple linear regression from only one predictor included an amount of error. This error can be reduced by using more predictors in the

multiple regression equation. For example, (Degree Class) may be predicted from (AVO), (HOH), and (LSE).

## 3.5.3 STEPWISE MULTIPLE REGRESSION

Including all predictors in a multiple regression equation can be misleading because many predictors might overlap and inter-correlate. There are several statistical methods for finding the best combination of independent variables to be introduced in the multiple regression equation with the maximum accuracy. These are direct regression, forward regression, backward regression, and stepwise regression. The stepwise method is the most commonly used technique (Pedhazur, 1982).

In stepwise method, independent variables are introduced in the regression equation step by step. The best predictor which explains most of the criteria variance is first in the regression equation. Then the second best predictor is added to the equation, given that the first predictor is already in the equation. Then the third best predictor is found and added to the equation. It continues doing this until the desired number of predictors is reached or no more significant variables can be added.

Pedhazur (1982) stated that the prediction equation calculated from the first prediction variable is designed to yield the highest possible correlation between the predictor variables and the criterion. And when this prediction equation is used to predict the criteria scores of another sample, the relationship between the predictor and the actual criterion scores of the new sample will be probably smaller than the relationship obtained in the sample from which the equation was originally calculated. The difference between predictor variables and the criterion for the original sample and for the second sample is called 'shrinkage'. The best procedure to estimate the amount of shrinkage is called cross-validation.

Randenbush (1994) argued that when researchers employ an analysis based on very large number of explanatory variables, relying on empirical inclusion rules to trim the model down so that variables can be managed. They can be mistaken, ultimately there is no substitute of using reason for explanatory variables.

There are many biased statistical literatures which induce the 'preliminary testing' that the absolute values of final regression coefficients are very large and standard errors small which can be demonstrated analytically. It may be confirmed by many studies on the Shrinkage of regression coefficients under cross-validation. Pedhazur

(1982) explained this method as follow: "(cross-validation) is done by using two samples. For the first sample a regular regression analysis is performed and R<sup>2</sup> (Squired multiple Correlation) and the regression equation are calculated. The regression equation is then applied to the predictor variables of the second sample, thus yielding ŷ for each subject. The first sample is referred to as the screening sample, and the second as the calibration sample.

A Pearson r then calculated between the observed criterion scores (Y) in the calibration sample and the predicted criterion scores  $(\hat{y})$ . This r y  $\hat{y}$  is analogous to multiple correlation in which the equation used is the one obtained in the screening sample. The difference between  $R^2$  the screening sample and  $R^2$  the calibration sample is an estimate of the amount of shrinkage" (Pp 151).

By using a cross-validation method, the researcher is in a stronger position to generalise the research findings and to apply them to the students (populations) other than the one from which the study subjects are drawn.

It should be noted that statistical procedure always can not be enough in regression analysis. Some theoretic reason should inform the creation of models.

## 3.6 THE STATISTICAL TOOL EMPLOYED IN THE STUDY

The SPSS (Statistical Package for the Social Sciences) was used in the analysis of data gathered from the questionnaires. The researcher used the statistical tests for the four groups (AVO, LSE, Total A-Level, HOH) which were appropriate for data.

#### 3.7 NULL HYPOTHESES

The null hypotheses were stated in the style of relationships between variables in this study because the correlation coefficient was the main statistical instrument. The following hypotheses were tested:

Hypotheses 1: There is no significant relationship between the criterion (Degree Class) and the following predictors:

- A. AVO
- B. A-Level
- C. LSE
- D. HOH

Hypotheses 2: There is no significant relationship between the criterion (Degree Class) and the following combination of predictors:

- A. AVO and A-Level
- B. AVO and LSE

- C. AVO and HOH
- D. A-Level and LSE
- E. A-Level and HOH
- F. LSE and HOH

Hypotheses 3: There is no significant relationship between the criterion (Degree Class) and the following combination of predictors:

- A. AVO, A-Level and LSE
- B. AVO, A-Level and HOH
- C. AVO, A-Level, LSE and HOH

# **CHAPTER FOUR**

# STATISTICAL RESULT

#### 4.1 INTRODUCTION

The results of the data analysis are presented in the following order:

- 1. Descriptive measures.
- 2. Correlational Analysis.
- 3. Multiple Regression Analysis.
- 4. Stepwise Approach to Multiple Regression
- 5. Analysing Residuals.

This study examined the predictive validity of AVO, LSE, HOH and Total Alevel. Graduate level (degree classification) was used as the criterion variable. Pearson correlation coefficients were computed for data from the ALIS project students at UK. Predictions using AVO, LSE, HOH and Total A-level were examined by calculating the mean error of prediction of the students in GCE, A-level and Graduate level. The result from these statistical procedures are summarised and analysed in this chapter.

## 4.2 DESCRIPTIVE MEASURES OF SAMPLE DATA

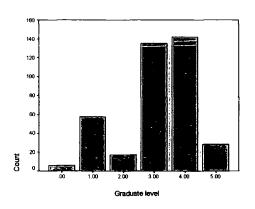
A summary of the means and standard deviations of sample variables of each group is shown in Table-2. The size of the sample was reduced for each variable to include only those variables, which we get up to graduate level, obtained on that variable.

Table-2: Means and Standard Deviations of Sample Data

Variable	Mean	SD	n
AVO	5.64	0.66	366
LSE	3.6	1.40	350
TOTAL A-LEVEL	8.6	5.06	378
НОН	4.2	1.24	347
GRADUATE	3.13	1.19	385
LEVEL			

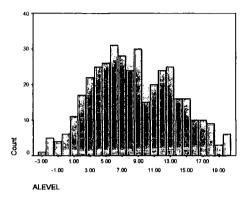
The distributions of the variables are shown below:

Figure 3: The distribution of the criterion variable (Degree Class)



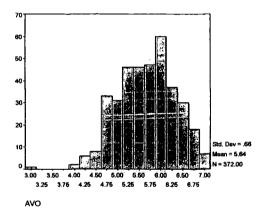
The degree class was dominated by second-class degrees with quite a few pass degrees. First, thirds and fails were relatively uncommon.

Figure 4: The distribution of Total A-level predictor



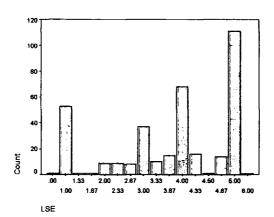
The total A level scores were approximately normally distributed.

Figure 5: The distribution of AVO predictor



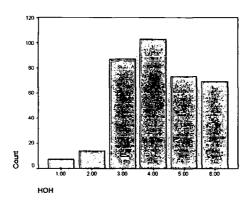
The average O level grades were approximately normally distributed although a very small number of students had a very low score.

Figure 6: The distribution of LSE predictor



The LSE distribution showed a mode at the maximum score. Many students had a very low score and the rest had scores nearer the middle. The distribution is nearly U shaped.

Figure 7: The distribution of HOH



As expected the HOH variable was dominated by high scores but there was a good spread

#### 4.3 SIMPLE CORRELATION

The Pearson product- moment correlation coefficient is a basic statistic and represents the classical model for presenting the relationship between the two variables. In this study, the Pearson product- moment correlation coefficient was used to indicate whether there was a statistically significant relationship between each predictor and the criterion (Degree Class).

Table 3: The validity coefficients and prediction equations of the predictors against the criterion (Degree Class)

Predictors	r	r <sup>2</sup>	Se	a	b	N	P
AVO	0.26	0.07	1.15	0.535	0.460	371	< 0.000
LSE	0.27	0.07	1.13	2.351	0.222	354	<0.000
НОН	0.02	0.00	1.18	3.037	0.020	352	0.692
Total A-level	0.37	0.14	1.11	2.385	0.086	383	< 0.000

The Table 3 displays the validity coefficients of predictors (AVO, LSE, HOH and Total A-Level) against the criterion (Degree Class). The first column indicates predictors. In the second column are the validity coefficients (r). The Table 3 shows that the criterion (Degree Class) had correlation of 0.26, 0.27, 0.02 and 0.37 with AVO, LSE, HOH and Total A-Level respectively. The Table 3 shows that the best predictor was Total A-Level. HOH had the lowest validity of any predictor.

The squared correlation coefficients (r<sup>2</sup>), which are called the coefficients of determination, are presented in the third column. It indicates the extent to which AVO, LSE, or HOH accounted for the variation in the criterion (Degree Class). These indices of determination are more useful for comparison than the indices of correlation. Thus, from the Table 3, 14 % of the variability in the criterion is explained by the total A-level. AVO accounted for Degree Class variation as much as LSE. And zero percent of the variance of the criterion (Degree Class) is determined by HOH.

The slope (b) and the intercept constant (a) are shown in the fifth and sixth columns. These are important in connection with the regression equation. The formula for simple regression equation is: Y= a+b X. for example, a student's Degree Class can be predicted form knowledge about his AVO score by using the formula above with values in Table 3:

Degree Class = 
$$0.535 + 0.460$$
 (AVO)

The fourth column of Table 3 presents the standard error of estimate (Se). It indicates the margin of error around the estimated criterion and can be computed from this formula SE = S  $\sqrt{1 - r^2}$ . Table 3 shows the correlations of HOH, AVO, LSE, and Total A-Level against the criterion of success were 0.02, 0.26. 0.27, and 0.37, respectively. The standard errors of estimating the criterion from these predictors were 1.18, 1.15, 1.13 and 1.11,

respectively. This shows that as the correlation increased, the standard errors of estimate decreased.

The standard error of estimate can be used to set confidence limits around a predicted score. From Table 3, the standard error of estimate in predicting Degree Class scores from AVO scores is 1.15. For 68% confidence interval of the estimated Degree Class, the SE in the fourth column was added and subtracted from the estimated Degree class: Degree class ± 1.15. The smaller the magnitude of Se, the more accurate is the prediction results.

As indicated in the eighth column, the simple correlations between the criterion; on one hand; and Total A -Level, LSE, and AVO; on the other hand; are statistically significant beyond the 0.0005 probability level. The simple correlation between the criterion and HOH is not statistically significant (p>.05).

N in the seventh column represents the number of subjects on which the statistical analysis was based. Because not all students had complete information for all variables, the sample size differed from one variable to another. It was also considerably less than the original sample of students because not all students completed degree courses.

#### 4.4 MULTIPLE CORRELATION AND MULTIPLE REGRESSION

So far the simple correlation and simple regression have been computed between each predictor and criterion. The unexplained variance of a criterion when a single correlation is used may be treated as an error. However, the part of this unexplained variance can be accounted for, if more than one predictor is used. Further it can be stated that the amount of error variance i.e. residual, 1-r<sup>2</sup> can be reduced to the extent that more information may be added. Multiple correlation is a procedure that combine more than one predictor and thus provide more precision in the prediction process. Because of their importance, the predictor variables (AVO, LSE, HOH and A-level) were made in multiple regression in various combinations against the criterion variable and are presented in Table 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, 10B, 11A, 11B, 12A, 12B, 13A, 13B, 14A, 14B in a phase of manner.

In the previous paragraph of the simple correlation, it was discussed that the best predictor was A-level which provide a coefficient (r) of 0.37. In multiple correlation adding AVO, LSE and HOH to Total A-level did not improve the prediction of the criterion of success. The combination of Total A-level and AVO had a multiple correlation (R) of 0.36; Total A-level and LSE had an R value of 0.36 as well. The combination of Total A-level and HOH had not improved the prediction power; provide a multiple correlation 0.33. The Total

A-level alone accounted for about 14 percent of the variance of criterion. While adding the HOH with the regression equation, the amount of the variance of the criterion accounted for by Total A-level and HOH was about 11 which indicate decrease 3%. The decreased is probably the result of a changed sample because of missing data.

The following represent the result of multiple regression of correlation of A-level and AVO; A-level and LSE; A-level and HOH against the criterion variable Graduate level are presented in the table No. 4A, 4B, 5A, 5B, 6A, 6B respectively.

Table 4 A :.THE MULTIPLE CORRELATION OF A-LEVEL AND AVO:

	R	R <sup>2</sup>	SE	P
A-level&AVO	0.36	0.13	1.11	.000

Table 4 B: THE MULTIPLE CORRELATION OF A-LEVEL AND AVO:

<u> </u>	а	b	B( <b>β</b> )	P
Constant	1.96			_
AVO		0.0926	0.051	0.421
A-level		0.0763	0.324	0.000

N.B. Tables No. 3 to Table No. 10, b or B ( $\beta$ ) indicate each predictor's weight in the total regression equation.

Table 5 A: THE MULTIPLE CORRELATION OF LSE AND A-LEVEL:

<u> </u>	R	$R^2$	SE	P
A-level&LSE	0.36	0.13	1.10	.000

Table 5 B: THE MULTIPLE CORRELATION OF LSE AND A-LEVEL:

	а	$\overline{b}$	$B(\beta)$	P	
Constant	2.24				
LSE		0.0954	0.114	0.053	
A-level		0.0661	0.282	0.000	

Table 6 A: THE MULTIPLE CORRELATION OF HOH AND A-LEVEL:

	R	$R^2$	SE	P	
A-level&HOH	0.33	0.11	1.11	.000	

Table 6 B: THE MULTIPLE CORRELATION OF HOH AND A-LEVEL:

	а	b	$B(\beta)$	P
Constant	2.58			
HOH		0.0317	033	0.514
A-level		0.0797	0.335	0.000

Apart from this, the combination of AVO and HOH also decreased the predictive power of AVO alone which produce a multiple correlation of 0.25. The combination of HOH and LSE also decreased the predictive power of

LSE alone and produced multiple correlation of 0.26. However, the multiple correlation of AVO and LSE was 0.30. This has increased the predictive power of LSE or AVO alone by 2% which indicate that LSE did not add much to AVO. These are indicated in the Table No.7A, 7B, 8A, 8B, 9A, and 9B.

Table 7A: THE MULTIPLE CORRELATION OF HOH AND AVO:

	R	$R^2$	SE	P	
HOH&AVO	0.25	0.06	1.14	.000	

Table 7 B: THE MULTIPLE CORRELATION OF HOH AND AVO:

-	а	b	$B(\beta)$	P
Constant	0.701			
HOH		-0.0326	034	0.519
AVO		0.454	0.253	0.000

Table 8 A: THE MULTIPLE CORRELATION OF HOH AND LSE:

	R	Ř²	SE	P
HOH&LSE	0.262	0.07	1.13	.000

Table 8 B: THE MULTIPLE CORRELATION OF HOH AND LSE:

	а	b	B( <b>β</b> )	P
Constant	2.476			
НОН		0311	033	0.542
LSE		0.220	0.267	0.000

Table 9 A: THE MULTIPLE CORRELATION OF LSE AND AVO:

	R	R²	SE	P
LSE&AVO	0.30	0.09	1.12	.000

Table 9 B: THE MULTIPLE CORRELATION OF LSE AND AVO:

	а	b	$B(\beta)$	P
Constant	0.978	<del>-</del>		<u>_</u>
LSE		0.157	0.188	0.001
AVO		0.285	0.159	0.007

As noted earlier the b in the fourth column represents the regression weights of the predictors in the raw scores. For example, a student's Degree Class can be predicted from the knowledge about his Total A-level and AVO score by using the following formula from Table 4B:

Degree Class = 1.96 + 0.076 (A-level) + 0.092 (AVO)

The B( $\beta$ ) sign in the fifth column, on the other hand, represents the regression weights of the predictors in the standardised form. This standardised beta ( $\beta$ ) serves the following purposes:

- (1) It shows the relative contribution of each predictor in the multiple prediction equation in a comparative manner. Unlike the b (substandard beta), the magnitude of B (standard beta) is not affected by the scale measurement used by the predictor variables. In Table 4 to 9, for example the B column indicates that all the variables means; AVO, LSE, HOH and A-level contributing in predicting the criterion variable i.e. Graduate level.
- (2) The regression weights in the b column can be used to estimate the criterion raw score, the regression weights in the B column can be used to

predict the criterion (z) or standard score. For instance, a student's degree class can be predicted from knowledge about his A-level and AVO score in standardised score by using the prediction equation from Table 4B:

The coefficients in this equation indicate that A-level is considerably more important than AVO as a predictor.

The R or R<sup>2</sup> terms and the standardised beta (B) term are important in interpreting the multiple correlation. R or R<sup>2</sup> shows the value of the incremental validity or the increment in the criterion variance that the variable made over the single predictor. On the other hand 'B' weights, indicate the relative contribution of each variable in the model on equal basis.

Table 10 A: THE MULIPLE CORRELATION OF LSE, AVO AND A-LEVEL:

	R	$R^2$	SE	P	·
LSE&AVO,A-	0.36	0.128	1.10	.000	
LEVEL					

Table 10 B: THE MULTIPLE CORRELATION OF LSE, AVO AND A-LEVEL:

	а	b	B( <b>β</b> )	P	
Constant	1.950				
LSE		0.0892	0.107	0.079	
AVO		0.0616	0.034	0.608	
A-LEVEL		0.0619	0.264	0.000	

In Tables 10-14 the b, B and p values refer to the coefficients in the models. For example in Table 10 the final regression equation is Degree class = 1.95 + 0.089 \* LSE + 0.061 \* AVO + 0.061 \* A-level

Table 11 A: THE MULTIPLE CORRELATION OF HOH, A-LEVEL AND AVO:

	R	R²	SE	P	
LSE&AVO,A-	0.34	0.11	1.114	.000	
LEVEL					

Table 11 B: THE MULTIPLE CORRELATION OF HOH, A-LEVEL AND AVO:

	а	b	$B(\beta)$	P
Constant	2.030			
НОН		03914	041	0.427
A-LEVEL		0.06993	0.294	0.000
AVO		0.118	0.066	0.322

Table 12 A: THE MULTIPLE CORRELATION OF LSE, HOH AND A-LEVEL:

	R	R²	SE	P	
LSE, HOH, A-LEVEL	0.34	0.118	1.105	.000	

Table 12 B: THE MULTIPLE CORRELATION OF LSE, HOH AND A-LEVEL:

	а	b	$B(\beta)$	$\overline{P}$	
Constant	2.430				
LSE		0.108	0.131	0.033	
НОН		0497	-0.052	0.318	
A-LEVEL		0.0625	0.262	0.000	

Table 13 A: THE MULTIPLE CORRELATION OF LSE, HOH AND AVO:

	R	R <sup>2</sup>	SE	P	
LSE&AVO, HOH	0.30	0.088	1.12	.000	

Table 13 B: THE MULTIPLE CORRELATION OF LSE, HOH AND AVO:

	а	b	$B(\beta)$	P	_
Constant	1.139				
AVO		0.292	0.163	0.007	
НОН		05173	055	0.311	
LSE		0.158	0.191	0.002	

Table14 A: THE MULTIPLE CORRELATION OF A-LEVEL, HOH, LSE AND AVO:

	R	R <sup>2</sup>	SE	P
A-level,HOH,LSE, AVO	0.35	0.119	1.106	.000

Table 14 B: THE MULTIPLE CORRELATION OF A-LEVEL, HOH, LSE AND AVO:

	а	b	$B(\beta)$	P
Constant	2.059			
A-LEVEL		0.05696	0.239	0.001
AVO		0.08180	0.046	0.509
LSE		0.100	0.122	0.053
НОН		05388	057	0.284

The Table 10 to 14 suggest that, in comparison to the single correlation model, using multiple correlation of AVO, LSE, HOH and A-level does not increase the predictive power of (Degree level) criterion variable. Table 10 through 13 presented the multiple correlation of three predictors. In practice the result indicated that using three predictors produced lower validity coefficient. From Table 10 the multiple correlation of A-level, LSE and AVO against the Degree class was 0.36. From Table 11, the multiple correlation of A-level, HOH and AVO was 0.34. Similarly Table 12, the multiple correlation of A-level, LSE and HOH was 0.34. Table 13, the multiple correlation of AVO, HOH and LSE (Excluding) Total A-level was 0.30. In Table 14, the four composite predictors were used. The result indicated that the multiple correlation of four predictors produced lower validity coefficients. The combination of these four predictive power, producing correlation of 0.35. As indicated in the seventh column, all the multiple correlations in Table No.4 through 14 are statistically significant beyond the 0.0005 probability level.

# 4.5 STEPWISE APPROCH TO MULTIPLE REGRESSION

The above stepwise multiple correlation approach was used to produce the maximum power with minimum number of variables. Table 15 shows the results of analysis using the predictors (AVO, HOH, LSE & A-level) against Degree Class in stepwise method; i.e. the best predictor entered first, the second best predictor followed. In the stepwise multiple regression against the criterion variable, variables were extend when the probability to enter was <= .05 and probability to remove was >=.1.

Table 15 : Stepwise multiple regression of A-level, LSE, HOH and AVO against Degree Class criterion variable. N= 338

First Step:

	а	R	$R^2$	SE	P
Constant	2.48				
A-level		0.32	0.104	1.11	0.000

Second and last step:

	а	R	R²	SE	P
Constant	2.48				
A-level&LSE		0.34	0.115	1.10	0.000

Inspection of Table 15 shows that according to Table 14 HOH and AVO was lowest predictor among the four predictor variables of this study against criterion variable. The first variable to enter the equation was A-level followed by LSE. The value of R rose from 0.32 to 0.34.

In stepwise regression, the preference of a variable depends on two factors: how predictive it is and how much overlap it has with the already entered variables. The higher the validity coefficient and the less overlap with the previous selected variables, the greater the chance of its being preferred in the stepwise analysis.

Although some predictors were preferred over others and entered into the equation earlier, the magnitude of their contribution could change when other variables are entered later.

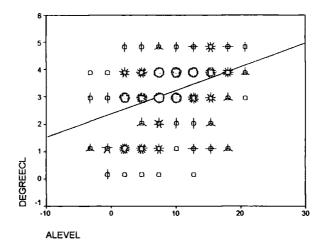
It should be noted that in the first step R was 0.32, this lower than the r reported in Table 3. This is because SPSS reduced the sample to include students on whom there was a full set of data. In these circumstances the prediction of the degree class improve marginally by the addition of LSE to the equation.

## 4.6 ANALYSING RESIDUALS

In the estimation of linear regressions, it is important that the assumptions of the linear regression model are met. Most of the assumptions (linearity, normality, and constant variance) centre on the regression residuals i.e. the difference between the observed and the predicted values of the criterion  $(Y - \hat{Y})$ . A violation of any of these assumptions per the residuals would undermine the regression results.

The assumption of linearity in the linear regression model is also very important. An inclusion of a squared or cubed independent variable in the regression model tests for non-linearity i.e. it is expected that the statistical significance of these variables would signify non-linearity. If the null hypothesis  $H_0$ : coefficients of squared & cubed coefficients = 0 is rejected, then it can be said that the assumption of linearity is violated, and therefore the relationship between the two variables is best modelled by a non-linear regression model.

Figure 8: The scategrame of Total A-level and Degree Class



The scategrame in Figure 8 suggests that there might be a non-linear relationship between A-level and Degree Class.

From the model:

Degreeclass=a+b<sub>1</sub> alevel .....(1)

Squared and cubed variables of a-level are included such that:

Degree class =  $a + b_1$  alevel +  $b_2$  alevelsq +  $b_3$  alevelcb ..(2)

Therefore, give the previous reasoning, if the null hypothesis coefficients of squared & cubed variables are rejected through the t-test, it can be said that the variables and data are best modelled by a non-linear model, otherwise if the null is not rejected, linearity can be assumed (thus a correct functional form for the model (1)).

Table 16:The excluded variables of the stepwise multiple regression of A-level, A-level squared and A-level cubed

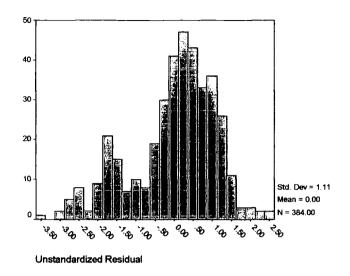
	Β(β)	t	P
A-level Squared	-0.289	-1.872	0.062
A-level cubed	-0.167	-1.647	0.100

From the t-statistics in Table 16, the null hypotheses can be rejected at the 5% level of significance. Thus the assumption of linearity is satisfied even though visual inspection of Figure 8 suggests a curve.

The second important assumption is normality. If the relationship is linear and in the population the criterion variable is normally distributed for each value of the predictor variable, then the distribution of the residuals should also be approximately normal.

From the figure 9, it can be seen that the distribution of the residuals appears to be fairly normal. However, there is some indication of a bimodal distribution. This in no surprising given the scattergam shown in Figure 9. If more data were available and the same patterns were produced it is expected that a non-linear regression would be more appropriated.

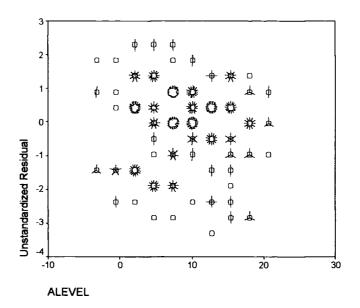
Figure 9: The distribution of unstandardized residual



Finally, Constant variance can be checked by plotting the residuals against the values of the predictor variable. If the spread of the residuals increase or decrease either with the values of the predictor, it can be said that the variance is not constant.

From the figure 10, it is not appearing to be much of a pattern to the spread of the residuals. Therefore, the variance is accounted to be constant.

Figure 10: The scattergram of Total A-level and Unstandardized residual:



## 4.7 DISCUSSION

Usually, there are two important aspects of correlation coefficients considered in interpreting their results: (1) their statistical significant and (2) their magnitude. In a study, when sample size is large (our sample size is relatively low), statistical significance is not a problem as per convention, when with a low-magnitude correlation. All of the simple correlations for the total sample in this study were statistical significant beyond 0.05 except one. The statistical significance aspect is important to ensure that the computed results are not the result of a sampling error and to indicate that a certain level of relationship

different from zero actually exists between the correlated variables. Statistical significance is necessary but not sufficient condition for the value of the results, particularly when these results are to be used for the practical purposes.

Magnitude is the other aspect of correlation coefficient that has bearing on theoretical research and adds to the practical value of research results. The meaningful significance of the validity coefficient is specific to the research objectives and to the field of practice. In this study, there was no generally accepted level of validity. The meaning of these results can be judged by comparison to the literature review. When compared to the previous research, this study revealed similar findings about the predictive power A-level scores against Degree level. The research literature indicated that the correlation coefficient between high school grades or ranks and first year of college GPA ranges from .50 to .55 (Astin, 1971, Linn, 1982; Mehrens, 1982); this study showed a multiple correlation in the A-level against Degree level criterion (i.e. 3 years later) was .37.

In this study, implementing the simple correlation coefficient was intended to determine the value of each single variable for prediction. In the present study predictors (AVO, LSE, HOH & A-level in England) were either equal to or higher than their American counter predictors in their correlation to criterion

variable Degree level. The best predictor seems to be A-level alone or A-level with LSE but the combination were generally not better than A-level alone. This phenomena may be partly attributed to the overlap between LSE and A-level. The correlation between two was found to be 0.34. Multiple correlation is best with variables exhibiting the highest correlations with the criterion measure and lowest intercorrelations among themselves. The multiple correlation of LSE and A-level against criterion variables from 0.34 for LSE alone to 0.30.

All the variables from both stages were used in stepwise multiple correlation to select the best combination of predictors with maximum power. From the stepwise analysis:

- Best predictor was A-level, whereas LSE emerged in the second position.
- 2. The method yielded the maximum predictive validity with smaller numbers of predictors than the total number used.

Stepwise regression analysis is an efficient method in prediction research because it offers maximum predictive validity with the fewest variables. However, the results of the stepwise regression, in particular, and multiple correlation, in general, may be misinterpreted. Therefore, it is necessary to address the issue of interpretation of the study result.

The difference between explanatory and predictive research must be distinguished. Does the researcher want to examine prediction of success, does he/ she want to judge the value of each variable in predicting success? Or does he/she want to know how much and why each variable predicts success? Although stepwise method is the best answer to the first question, seeking the answer to all of the questions through that method may be misleading. In this stepwise analysis, inclusion of variables was based on pure statistical selection; other important theoretical or practical aspects were not considered. The basic principle of this method is that a variable with high correlation with the criterion and low correlation with predictors has a better chance of being selected. By depending solely on the stepwise table, one may erroneously conclude that only the listed variables are related to the criterion and that the variables left out of the equation are useless. To judge the predictive value of a predictor, it must be examined individually (simple correlation), as well as in combination with other variables. In comparing the contribution of the variables within stepwise equation, the standard beta  $[(\beta)]$  regression weights are more valuable than just the stepwise order; however, may be used differently by various researchers.

## CHAPTER FIVE

# SUMMARY, CONCLUSION AND RECOMMENDATIONS

#### 5.1 SUMMARY

Generally Colleges and Universities accept only a limited number of applicants for two main reasons; (i) The Institutions are not capable of accommodating all the applicants and (ii) they believe that prospective students must possess certain qualifications to complete the Degree course successfully. Ethical and legal considerations have surrounded the issues of selection and rejection, such decisions should be based on objective and scientific grounds. Beyond the legal aspects, scientific and objective selection devices can serve both the Educational Institution and the students' interests. Good assessment devices enable the Educational Institutions and students to evaluate their capacities, to plan their futures, and to avoid possible failure as objectively as possible.

This study was designed to investigate the question about the Degree performance which was influenced by the A-level, AVO, HOH & LSE variables or not and the relationship with these variables. Further the study was also designed to investigate the predictive validity of the selection measures used in the A-level Information Project in England. Assuming that

the purpose of selection measure at Degree level is to identify potentially successful students, a certain relationship between the selection measures and success measures at the Degree level should exist. We can say that the selection variables should demonstrate what is called predictive validity in order to serve their intended purpose.

The researcher used the following variables

- 1 AVO
- 2 LSE
- 3 HOH
- 4 Total A-level
- 5 Degree course was used as criterion variable.

The main body of the validation study was based a sample of students who agreed to complete the questionnaire and sent reply to the A-level Information System (ALIS) project which covered five North-Eastern Local Education Authorities in England. The Simple Pearson Product-Moment correlation coefficient was used to test the main hypothesis regarding the predictive validity of each variable. Multiple correlation was also employed to extent the prediction of success to its maximum by combining as many of the available variable. A stepwise multiple-correlation approach was used to produce the maximum predictive power with a minimum number of variables.

## 5.2 CONCLUSION

Based on the data analysis, following conclusions were drawn:

- 1 Three variables were significantly predictive of academic success in terms of scholastic performance and persistence. HOH are not significantly related to Degree Class. The predictive power of HOH, AVO and LSE was low and moderately high for Total A-level. The null hypotheses were rejected beyond the 0.05 level except that for HOH.
- 2 The superior predictive power of A-level variable may have exist because the preparatory A-level programme is better suited to the Higher Education than other variables.
- 3 When all predictor variables were used in a stepwise multiple regression, a noticeable but small improvement in predictive power was evident; however, those variables having high correlations with the criterion and low correlations with other predictors are to be preferred in the stepwise equation.

4 Based on the literature review, it is to be expected that in the context of Saudi Arabia combining a school score with admission tests in multiple correlation would improve the predictive power and better explained the success variation of criterion measure than would either one alone.

#### 5.3 LIMITATION OF THE STUDY

Several limitations of this study are shared by most predictive studies. One such limitation is the dependence on available data only on four variables AVO, LSE, HOH and Total A-level from the School of Education. Important details made for Math, English, physics, chemistry etc. Age and Sex of the students are factors that might influence or to be related to the dependent variables were not included in the study. The use of non-cognitive variables, such as, personality measures, social adjustment, ethnic background, may be related to the student's success, but since they do not exist in the file, it was impossible to include them. Further the Degree Class may itself be problematic. It would be interesting to look at the data subject by subject and university by university.

Another limitation of the study, resulting from the research being based on pre-existing data, is that researcher manipulation or control was not possible, thus, scientific explanation was limited and causal inferences were not warranted.

Third limitation that this research shared with prediction studies is a theoretical one. Error in predicting human behaviour is inevitable, regardless of the power of the predictors or the number of predictors involved. The many human factors responsible for successful performance make it possible to achieve certainly or an error-free prediction. Therefore, the main purpose of prediction inquiry in studies such as the present one is to reduce error rather than to eliminate it.

#### 5.4 RECOMMENDATIONS FOR FURTHER RESEARCH

The following recommendations are made for further research.

(1) It is true that the performance and persistence of a student at Educational Institutions are functions of far more than his or her academic background. The non-intellectual variables and their relationship to success should be explored further. For example, what social and personal characteristics may be considered, the following questions may be posed.

- (a) What is the relationship between the student's socioeconomic status and his success? The present study only had data for the head of household.
  - (b) What is the relationship between the student's family size and parent education and his success?
    - (c) What is the relationship between the student's attitude toward his major, his/her teachers, and the Educational Institution in general and his success?
- (2) Other universities outcomes other than degree classification should be consider. For example, student satisfaction, Inspirational level and self reported gains
- (3) Although high school achievement (in this case GCSE) is an important predictor of success, future research in scientifically oriented universities should consider not only the high school (GCSE) and A-level total score but also the total score for science courses and the separate course for different subjects.

(4) Factors that affect a student's choice of a certain university or college major, and their influences in turn on a student's success, should be investigated.

the second of the second of the second of the second of the second of the second of the second of the second of

# References

# REFERENCES

- AACTE. (1992). Academic achievement of White, Black, and Hispanic students in teacher education programs. A research sponsored by the EXXON Education Foundation, New York, N. Y. A research conducted by The American Association of Colleges for Teacher Education. Washington, D. C. (ERIC Reproduction Service Document No. ED 353 259).
- Abercrombie, M. L. J., S. Hunt and P. Stringer (1969). Selection and Academic Performance in a University School of Architecture. Society for Research into Higher Education Monograph.
- Allan, L. G., A. L. Darling, R. C. Hughes and J. M. Rosenfeld (1983). An Examination of Performance of First Year Students at an Ontario University: An Admission Perspective. *The Canadian Journal of Higher Education*, vol. 23(3), 37-54.
- American Psychological Association, American Educational Research Association & National Council on Measurement in Education. (1974), Standards for educational and psychological tests. Washington, D.C.: American Psychological Association.
- Anastasi, A. (1976). Psychological Testing (4th ed.). New York: Macmillan.

The second secon

- Astin, A. W. (1971). Predicting academic performance in college: Selectivity data for 2,300 American colleges. New York: Free Press.
- Ayers, D. J. (1980). Relationships of First-Year University Grades of No-High School Graduates with the Tests of General Educational Development. *The Canadian Journal of Higher Education*, 10(1), 73-82.

- Ayers, J. B. and R. F. <u>Quattebaum</u> (1992). TOFEL Performance and Success in a Masters Programme in Engineering. *Educational and Psychological Measurement*, 52, 973-975.
- Baird, L. L. (1985). Do Grades and Tests Predict Adult Accomplishment? Research in Higher Education, 23(1), 3-85.
- Baker, R. W. and B. Siryk (1988). Measuring Academic Motivation of Matriculating College Freshman. *Journal of College Student Personnel*, Sept, 459-464.
- Barnett, V. D. and T. Lewis (1963). A study of the Relation Between G.C.E and Degree Results. *Journal of Royal Statistical Society*, (Series A general), 126(2), 187-226.
- Baron, J. and M. F. Norman (1992). SAT's, Achievement Tests, and High School Class as Predictors of College Performance. *Educational and Psychological Measurement*, 52(4), 1047-5. Winter.
- Billing, D. E. (1973). A review of the literature concerning methods of selecting students for higher education. *Durham Research Review*, 31, 827-838.
- Bourner, T. and M. Hamed (1987). Entry Qualifications and Degree Performance. Report to CNAA Development Services of a Research Project on the Relationship Between Entry Qualifications and Degree Performance on CNAA first Degree Courses. CNAA Development Services Publication 10. London: CNAA.

I have been a superior of the set of the set of the second superior 
- Boyer, S. P. and W. Sedlacek (1988). Predicting Grades form Noncognitive Dimensions for International Students: A Longitudinal Study. *Journal of College Student Development*, May, 218-223.
- Casteneda, G. G. and J. L. Winer (1985). *Psychological Models of Engineering Careers: Academic Prediction*. Paper presented at the Annual Meeting of the Southwest Psychological Association, (31st, Austin, Texas, April 18-20, 1985). (ERIC Research Document No. ED 258 061).
- Clark, N. J. (1984). Older and Younger Graduate Students: A comparison of goals, grade and GRE score. GREB-8-17, Princeton, N.J.: Educational Testing Service.
- Cleary, T. A. (1968). Test Bias: Prediction of Grades of Negro and White Students in Integrated College. *Journal of Educational Management*, 5, 115-124.
- Cronbach, L. J. (1971). Test validation. In R. L. Thorndike (Ed.), *Educational measurement* (2nd ed.). Washington, D. C.: American Council on Education.
- Cronbach, L. J. (1975). Five decades of public controversy over mental testing. *American Psychologist*, 30, 1-14.
- Crouse, J. and D. Trusheim (1991). How Colleges Can Correctly Determine Selection Benefits from SAT. *Harvard Educational Review*, 61(2), 125-147.
- Dahlem, A. K. (1984). Effects of Reports, Guides and Types of Guide on Recall of General Information about the Strong Campbell Interest Inventory. Unpublished Thesis, University of Regina.

- Dahlgren, L. O. (1984). Outcomes of Learning. In F. Marton, D. J. Hounsell & N. J. Entwistle (Eds), *The Experience of Learning*. Edinburgh: Scottish Academic Press.
- Dalton, S. (1976). A Decline in the Predictive Validity of the SAT and High School Achievement. *Educational and Psychological Measurement*, 36, 445-48.
- Dole, A. A. and A. R. Baggaley (1979). Prediction of Performance in a Doctoral Education Programme by the G.R.E and other Measure. Educational and Psychological Measurement, 39, 421-427.
- Educational Testing Service (ETS). (1972). The prediction of doctorate attainment in psychology, mathematics, and chemistry: Preliminary report. Princeton, NJ: ETS.
- Edwards, A. L. (1984). An Introduction to Linear Regression and Correlation (2nd ed.). New York: Freeman.
- Entwistle, N. J. (1987). Descriptions of Student Learning: cognitive and experiential. Newsletter of the European Association for Research on Learning and Instruction, 3, 3-10.
- Entwistle, N. J. and T. Brennan (1971). The Academic Performance of Students: 2-Types of Successful Students. *British Journal of Educational Psychology*, 41, 268-276.

Entwistle, N. J. and D. Entwistle (1970). The Relationship Between Personality, Study Methods and Academic Performance. *British Journal of Educational Psychology*, 40, 132-143.

- Entwistle, N. J., J. Nisbet, D. Entwistle and M. D. Cowell (1971). The Academic Performance of Students. 1-Prediction from Scales of Motivation and Study Methods. *British Journal of Educational Psychology*, 41, 258-267.
- Entwistle, N. J., K. A. Percy and J. Nisbet (1971). Educational Objectives and Academic Performance in Higher Education. Vol. 1 Prediction of Academic Performance. Lancaster: University of Lancaster.
- Entwistle, N. J. and J. D. Wilson (1977). Degree of Excellence: The Academic Achievement Game. London: Hodder & Stoughton.
- Farley, B. L. (1995). "A" is for Average: The Grading Crisis in today's College-Essay. (ERIC Document #384 384).
- Farver, T. J. and W. E. Sedlacek (1987). Prediction of College Graduation Variables to Academic Success: A Longitudinal Comparison by Race. *Journal of College Student Personnel*, 26, 405-410.
- Federici, L. and J. Schuerger (1974). Prediction of Success in the Applied
   M. A Psychology Program. Educational and Psychological Measurement, 39, 945-75.
- Fergusson, F. J. (1991). The Personal Application Form: A Mystery to Students and Professionals Alike. *Journal of College Admissions*, 133(19-23), Fall.

Fincher, C. (1974). Is the SAT Worth its Salt? An Evaluation of the Use of the Scholastic Aptitude Test in the University System of Georgia Over a Thirteen-Year Period. *Review of Educational Research*, 44(3), 293-305.

- Fitz-Gibbon, C. T. (1992). The Design of Indicator Systems. *Research Paper in Education*, 7(3), 271-300.
- Fitz-Gibbon, C. T. (1995). *Monitoring Education Indicators, Quality and Effectiveness*. London: Redwood Books Ltd, Trowbridge, Wiltshire.
- Forrest, G. M. (1989). The Relationship Between GCE Advanced Level Grades and University Results in the UK: Past and Future. Paper presented at the 15<sup>th</sup> International conference of the International Association for Educational Assessment, Sydney, November 1989.
- Freeman, P. R. (1970). A Multivariate Study of Students' Performance in University Examinations. *Journal of the Royal Statistical Society*, 133A, 38, 38-55.
- Furnham, A. and J. Mitchell (1991). Personality, Needs, Social Skills and Academic Achievements: A Longitudinal Study. *Personality and Individual Differences*, 12 (10), 1067-1073.
- Gable, R. K. (1967). College Admission Prediction: The Prediction of Success. *National ACAC Journal*, 17(2).
- Givner, N. and K. Hynes (1979). Achievement Test Validity: Correcting for Restriction of Range Effects: College and University, *Educational and Psychological Measurement*, 54, 119-127.
- Goldberg, E. L. and G. M. Alliger (1992). Assessing Validity of the GRE for Students in Psychology: A Validity Generalisation Approach. *Educational and Psychological Measurement*, 52, 1019-1027.



- Goldman, R. D. and B. N. Hewitt (1975). Adaptation-level as an Explanation for Differential Standards in College Grading. *Journal of Educational Measurement*, 12, 149-161.
- Goldman, R. D. and R. E. Slaughter (1976). Why College Grade Point Average is Difficult to Predict. *Journal of Educational Psychology*, 68(1), 9-14.
- Green A., T. J. Peters and D. J. T. Webster (1991). An Assessment of Academic Performance and personality. *Medical Education*, 25, 342-348.
- Grulick, L. E. (1986). Evaluation of Admission and Placement Testing at Florence-Darlington College. Graduate Seminar paper, University of South Carolina at Columbia University. (ERIC Reproduction Services Document No.ED 277 431).
- Hackman, R. J., N. Wiggins and A. R. Bass (1970). Prediction of Long-Term Success in Doctoral Work in Psychology. *Educational and Psychological Measurement*, 30, 365-374.
- Hamilton, V. and P. Freeman (1971). Academic Achievement and Student Personality Characteristics- A Multivariate Study. *British journal of Sociology*, 22, 31-52.
- Hartnett, R. T. (1982). *Admission to college and universities*. In American Educational Research Association, The encyclopaedia of educational research (5th ed.) (pp. 59-67). New York: Macmillan Free Press.
- Hartnett, R. T. and W. W. Willingham (1980). The Criterion Problem: What Measures of Success in Graduate Education? *Applied Psychological Measurement*, 4, 281-291.

- Hirschberg, N. and S. Itkin (1978). Graduate Student Success in Psychology. *American Psychologist*, 32, 1083-1093.
- Hiss, W. C. and A. C. McGrath (1984 a). (At Least) 20 Questions: Academic Criteria Personal Qualities and College Admissions. *The Journal of College Admissions*, Spring.
- Hiss, W. C. and A. C. McGrath (1984 b). (At Least) 20 Questions: Academic Criteria Personal Qualities and College Admissions. (Conclusion). *The Journal of College Admissions*, Summer.
- Hodgson, V. (1984). Learning from Lectures. In F. Marton, D. J. Hounsell & N. J. Entwistle (Eds), *The Experience of Learning*. Edinburgh: Scottish Academic Press.
- Holland, J. L. and J. M. Richards (1965). Academic and Nonacademic Accomplishment: Correlated or Uncorrelated? *Journal of Educational Psychology*, 56, 165-174.
- House (1994). Gender Differences in the Prediction of Grade Performance from G.R.E Scores. *Journal Psychology*, 128(16), 695-697.
- House, J. D., J. J. Johnson and W. L. Tolone (1987). Predictive Validity of the G. R. E. for Performance in Selected Psychology. *Psychology Reports*, 60, 107-110.
- House, J. D. (1989). Age Bias in The Prediction of Graduate Grade Point Average from Graduate Record Examination Scores. *Educational and Psychological Measurement*, 49, 663-666.

- House, J. D. and E. J. Keeley (1993). Differential Prediction of Graduate Student Achievement from Miller Analogies Test Score. Paper presented at The Illinois Association for Institutional Research, Annual Meeting,
- Hoyt, D. P. (1965). The Relationship Between College Grades and Adult Achievement. ACT Research Report No. 7, Iowa City: American College.
- Huitema, B. E. and C. R. Stein (1993), Validity of the GRE without Restriction of Range, *Psychology Reports*, 72, 123-127.
- Humphreys, L. G. (1968). The Feeling Nature of the Prediction of College Academic Success. *Journal of Educational Psychology*, 59 (5), 375-80.
- Humphreys, L. G. (1976 a). Prediction of Grades is Feeling: A Comment. Journal of Educational Psychology, 68 (5), 518-519.
- Humphreys, L. G. (1976 b). The Phenomena are Ubiquitous but the Investigators Must Look. *Journal of Educational Psychology*, 68 (5), 521.
- Humphreys, L. G., J. Lewry and T. Taber (1973). Predictability of Academic Grades for Students of High and Low Academic Promise. Educational and Psychological Measurement, 33, 385-392.
- Hunter, J. E. and F. L. Schmidt (1990). Methods of Meta-Analysis Correlating Error and Bias in Research Findings. London: Sage.

- Ingram, R. E. (1983). The GRE in the Graduate Admissions Process: Is how it is Used Justified by the Evidence of its Validity? *Professional Psychology: Research and Practice*, 14, 711-714.
- Janssen, P. J. (1989). Task Development, and Process in Student Learning:

  Towards an Integrated Theory of Studying. *European Journal of Psychology of Education*, IV (4), 469-488.
- Jenkins, N. J. (1992), The Scholastic Aptitude Test as a Predictor of Academic Success: A Literature Review, [RIC Reproduction Services No. ED 354 243].
- Jensen, A. R. (1980). Bias in Mental Testing. New York: Macmillan.
- Johnson, R. W. and C. B. Johansson (1972). Moderating Effect of Basic Interest on Predictive Validity of SVIB occupational Scales.

  Proceedings of the 80th Annual Convention, American Psychological Association, P. 389-390.
- Jones, L. K. (1990). The Career Key: An Investigation of the Reliability and Validity of Its Scales and Its Helpfulness to College Students. Measurement and Evaluation in Counselling and Development, July, 23, 67-75.

- Juola, A. E. (1966). Prediction of Successive Terms Performance in College from Tests and Grades. American Educational Research Journal, 3, 191-197.
- Kaczmarek, M. and J. N. Franco (1986). Sex Difference in Prediction of Academic Performance by GRE. *Psychological Reports*, 59, 1197-1198.

- Karmos, A. H. and J. S. Karmos (1984). Attitudes Toward Standardization Achievement Tests and Their Relation to Achievement Test Performance. *Measurement Evaluation in Counselling and Development*, July, 56-68.
- Kluever, R. C. and K. E. Green (1992). Prediction of Achievement of Doctoral Students in Education. *Perceptual and Motor Skills*, 74, 419-423.
- Lewis, W. A. (1966). Early Prediction of College GPA Using Pre-College School Grades. *Journal of Educational Measurement*, Spring, 3(1), 35-36.
- Linn, R. L. (1982). Admissions testing on trial. *American psychology*, 37, 279-281.
- Lundstedt, S. B. and Lynn (1984). Social and Economic Factors Affecting Participation in higher Education. *Journal of Higher Education*, 55(5).
- Lunneborg, C. E. and R. W. Lunneborg (1970). Relation Between Aptitude Changes and Academic Success During College. *Journal of Educational Psychology*, 61, 169-177.
- Lust, B. L. (1981). A study of the predictors of Achievement of Nurses in Graduate School. Unpublished Doctoral Dissertation, University of Texas at Austin.

MacDonald, M. (1984). A Comparison of the Effectiveness of Two Strong

Campbell Interest Inventory Profiles with and without Guides.

Unpublished Thesis, University of Regina.

- Magusson, K. (1981). A Study of the Differential Aptitude Tests and the Nelson-Denny Reading Test as Predictors of Academic Achievement.

  Unpublished Thesis, University of Regina.
- Marton, F. and R. Saljo (1984). Approaches to Learning, in F. Marton, D. J. Hounsell & N. J. Entwistle (Eds), *The Experience of Learning*. Edinburgh: Scottish Academic Press.
- Maryland University (1988). The UMCP Academic Experience: Maryland Longitudinal Study Research Highlights, Research Report #10.

  Maryland University, College Park, Division of Students Affairs, (ERIC Reproduction Services Document No. ED 302 123).
- Mathews, T. A. and D. J. Martin (1992). Reciprocal Suppression and the Interaction Efforts of Age with Undergraduate Grades and GRE on Graduate Performance in a College of Education. *Educational and Psychological Measurement*, 52,453-456.
- Mauger, P. A. (1976). Is the Prediction of Grades Fleeting only in Illinois? Journal of Educational Psychology, 68 (5), 520.
- Mauger, P. A. and C. A. Kolmodin, (1975). Long Term Predictive Validity of the Scholastic Aptitude Test. *Journal of Educational Psychology*, 67, 847-851.

McQuade, R. C. (1975). The Development and Evaluation of Selection Procedures at a School Professional Psychology. Unpublished Doctoral Dissertation, California School of Professional Psychology, Los Angeles.

- Methrens, W. A. (1982). *Aptitude measurement*. In American Educational Research Association, The encyclopedia of educational research, (5 th ed.) (pp. 137-145). New York: Macmillan Free Press.
- Meyer, I. M. F. (1991). Study Orchestration: The Manifestation, Interpretation and Consequences of Conceptualised Approaches to Studying. *Higher Education*, 22 (3), 275-296.
- Minnaert, A. and P. J. Janssen (1992). Success and Progress in Higher Education: A Structural Model of Studying. *British Journal of Educational Psychology*, 62, 184-192.
- Mitchell, R. H. (1990). *Inter-University Comparison of Grades*. Paper presented to the Senate Committee on Academic Standards, University of Victoria, B.C., Canada.
- Mitter W. (Ed.). (1979). The Use of Tests and Interviews for Admission to Higher Education: A European Symposium. Windsor England: NFER Publishing Company.
- Morgan, H. (1991). Early Childhood Teacher Certification: State Tests and Preservice Knowledge Base Determinates. (ERIC Reproduction Services Document No. ED 353 085).

Morrison, T. and M. Morrison (1995). A Meta-Analysis Assessment of the Predictive Validity of the Quantitative and Verbal Components of Graduate Record Examination with Graduate Grade Point Average Representing the Criterion of Graduate Success. *Educational and Psychological Measurement*, 55, 309-316.

- Mundle, S. J. (1978). Interest and Academic Correlates of Success in a Freshman Education Course and Initial Field Experience.

  Unpublished Thesis, University of Regina.
- Nuy, N. J. P. (1991). Interactions of Study Orientation and Students' Appreciation of Structure in their Educational Environment. *Higher Education*, 22(3), 251-266.
- O'Connor, C. A. and B. H. McAtulty (1981). The Predictive Ability of ACT Scores for Students at an Engineering School. *Measurement and Evaluation in Guidance*, 14, July, 54-61.
- Oltman, P. K. and R. T. Hartnett (1985). The Role of the Graduate Record Examinations in Graduate Admission. *Journal of Higher Education*, 56, 523-537.
- Pascarella, E. T. and P. T. Terenzirni (1980). Predicting Freshman Persistence and Voluntary Dropout Decisions From A Theoretical Model. *Journal of Higher Education*, 51, 60-75.
- Pedhazur, E. J. (1982), Multiple regression in behavior research: Explanation and prediction. New York: Holt, Rinehart, & Winston.
- Peers, I. S. and M. Johnston (1994). Influence of Learning Context on the Relationship Between A-level Attainment and Final Degree Performance: A Meta- Analytic Review. *British Journal of Educational Psychology*, 64, 1-18.

- Polydorides, G. (1986). The Determinations of Educational Achievement At the End of Secondary Schooling: The Case of Greece. Paper presented at the Annual Meeting of the American Educational Research Association (70th San Francisco, CA, April, 16-20, 1986). (ERIC Reproduction Services Document No. ED 270 048).
- Price, F. W. and S. H. Kim (1976). The Association of College Performance with High School Grades and College Entrance Test Scores. *Educational and Psychological Measurement*, 36, 965-970.
- Ramsden, P. (1984), The Context of Learning, in F. Marton; D. J. Hounsell & N. J. Entwistle (Eds), The Experience of Learning, Edinburgh: Scottish Academic Press.
- Raudenbush, S. (1994). A Comment on 'Multilevel Interaction Models and Their Use in the Analysis of Large-Scale Effectiveness Studies' by Murray Aitkin and Ruth Zuzovsky (in School Effectiveness and School Improvement 5/1) Searching for Balance between A priori and Post Hoc Model Specification: Is a 'General Approach' Desirable? School Effectiveness and School Improvement, 5 (2), 196-198.
- Rees, D. (1981). A-levels, Age and Degree Performance. *Higher Education Review*, 13(3), 45-57.
- Remus, W. and C. Wong (1982). An Evaluation of Fine on Models for the Admission Decision. *College Student Journal*, vol. 16, 53-59.
- Reyrolds, C. R. (1982). *Methods of Detecting Construct and Predictive Bias*. In R. A. Berk (ed). Handbook of Method for Detecting Test Bias (Pp. 199-227), Balti more, MD: Johns Hopkins Press.

- Rhodes, M. L., B. Bullough and J. Fulton (1994). Graduate Record Examination as An Admission Requirement for a Graduate Nursing Programme. *Journal of Professional Nursing*, 10, 289-96.
- Rogers, A. L. (1925). Mental Tests for the Selection of University Students. *British Journal of Psychology*, 15, 405-415.
- Roscoe, J. T. and S. R. Houston (1969), The Predictive Validity of GRE Scores for Doctoral Programme in Education, *Educational and Psychological Measurement*, 29, 507-509.
- Roucher, J. E. and P. F. Archer (1979). Basic Skills Education: Point-Counter Point. In Lawrence E.Grulick (1986). Evaluation of Admission and Placement Testing at Florence-Darlington College. Graduate Seminar Paper, University of South Carolina at Columbia University. (ERIC Reproduction Services Document No. ED 277 431).
- Russo, R. P. (1988). The National Education Longitudinal Study of 1988: Teacher Survey. Paper presented at the Annual Meeting of the American Educational Research Association (New Orleans, LA, April 5-9).
- Rutter, M., B. Maughan, P. Mortimer and J. Ousten (1979). Fifteen Thousand Homes. London: Open Books.

- Schneider, L. M. and J. B. Briel (1990). *Validity of GRE: 1988-89*. Summary Report, Princeton, NJ: Educational Testing Service.
- Sear, K. (1983). The Correlation between A level Grades and Degree Results in England and Wales. *Higher Education*, 12, 609-619.

- Sedlacek, W. E. (1989). Noncognitive Indicators of Student Success. *The Journal of College Admissions*, Fall.
- Sgan, M. R. (1965). An Alternative Approach to Scholastic Aptitude Tests as Predictors of Graduation Rank at Selective Colleges. *Educational and Psychological Measurement*, 24(2), 347-362.
- Shea, C. (1994). Grade Inflation's Consequences. Chronicle of Higher Education, vol. 40, P. 45.
- Sheppard, C. and J. Gilbert (1991). Course Design, Teaching Method and Student Epistemology. *Higher Education*, 22(3), 229-250
- Siegelman, M. (1971). SAT and High School Average Predictions of Four Year College Achievement. *Educational and Psychological Measurement*, vol.31, 947-950.
- Smith, D. J. and S. Tomlinson (1989). *The School Effect. A study of Multi-Racial Comprehensives*. London: Policy Studies Institute.
- Smithers, A. G. and P. A. Robinson (1991). *Beyond Compulsory Schooling:*A Numerical Picture. London: Council for Industry and Higher Education.
- Spokane, A. R. (1979). Occupational Preference and the Validity of the SCII for College Women and Men. *Journal of counselling Psychology*, 26, 312-318.

Stafford, K. L., S. B. Lundstedt and A. D. Lynn (1984). Social and Economic Factors Affecting Participation in Higher Education. *Journal of Higher Education*, Sept/ Oct, 55(5).

- Sticker, B. and J. T. Huber (1967). The GRE and Undergraduate Grades as Predictors of Success in Graduate School. *Journal of Educational Research*, 60, 466-468.
- Sticker, L. J. and D. A. Rock (1985). Factor Structure of the GRE General Test for Older Examinees: Implications for Construct Validity. GRE Board Research Report. GRE B# 83-10 R. Princeton, NJ: Educational Testing Service.
- Strong, E. K. (1927). Review of the DAT career Planning Program. In O.K. Buros (Ed.). Eighth Mental Year Book.
- Super, D. E. (1949). Appraising Vocational Fitness. New York: Harper.
- Swinton, S. S. (1987). The Predictive Validity of the Restricted GRE with Particular Attention to Older Students. GRE Board Report No. 83-25 P. Princeton, NJ: Educational Testing Service.
- Thornell, J. G. and A. McLoy (1985). The Predictive Validity of the GRE for Subgroups of Students in Different Academic Disciplines. *Educational and Psychological Measurement*, 45, 415-419.
- Thornell, J. and R. Jones (1986). *The College Admissions Equation: ACT Scores Versus Secondary School Grade Performance*. A paper presented at the Annual Meeting of the Mid-South Educational Research Association (Memphis, Tn, Nov. 19-21), (ERIC Reproduction Services Document No. ED 278 687).
- Tracey, T. J. and W. E. Sedlacek (1987). Prediction of College Graduation Variables to Academic success: A Longitudinal Comparison by Race. *Journal of College Student Personnel*, 26, 405-410.

- Trusheim and Crouse (1984). The SAT and Traditional Predictive Validity: A Critical report. *The Journal of College Admissions*, Summer, 9-12.
- Tymms, P. B. (1993). Accountability- Can it Be Fair? Oxford Review of Education, 19(3), 291-300.
- Tymms, P. B. (1992). The Relative Success of Post 16 Institutions in England (including assisted places schools). *British Educational Research*, 18(2), 175-192.
- Tymms, P. B. (1995). The Long-Term Impact of Schooling. *Evaluation and Research in Education*, vol. 9(2), 99-108.
- Volet, S. E. and D. Chalmers (1992). Investigation of Qualitative Differences in University Students' Learning Goals, based on an unfolding Model of Stage Development. *British Journal of Educational Psychology*, 62, 17-34.
- Walsh, W. B. and N. E. Betz (1985). *Test and Assessment*. Englewood Cliffs, New Jersey; Prentice-Hall, Inc.
- Walton, H. J. (1987). Personality Assessment of Future Doctors. *Journal of Royal Society of Medicine*, 80, 27-30.
- Wankowski, J. A. (1970). GCEs and Degrees: Some Notes and Reflections on Studies of the Relationship between Admission Requirements and Achievement at University. Birmingham: University of Birmingham Education Survey Monograph.

- Weller, D. L. (1984). Attitude Toward Grade Inflation: A Survey of Private and Public College of Education. *Journal of Research and Development in Education*, 18(1), 51-56.
- Westhoff, L. A. (1980). A new ear in admissions. In A. J. Devito, G. S. Tryon and J. F. Carlson. (1983). Scholastic Aptitude Decline and Changes in Study Habits and Attitudes. *Journal of College Student Personnel*, Sept, 411-416.
- Wiggins, N., M. Blackburn and J. R. Hackman (1969). Prediction of First-Year Success in Psychology: Peer Ratings. *The Journal of Educational Research*, 63, 81-85.
- Wigington, J. H. (1985). The Strong-Campbell Interest Inventory in College Counselling: A Comparison of Data and Theory. *The Journal of College Student Personnel*, January, 43-47.
- Williams, J. D., S. D. Harlow and D. Gab (1970). A Longitudinal Study Examining Prediction of Doctoral Success: Grade Point Average as a Criterion or Graduation vs. Non-Graduation as a Criterion. *Journal of Educational Research*, 64, 161-164.
- Willingham, W. W. (1974). Predicting Success in Graduate Education. *Science*, 183, 273-278.
- Willms, J. D. (1987). Differences Between Scottish Educational Authorities in their Examinations Attainment. Oxford Review of Education, 13(2), 211-32.

Wilson, J. D. (1971). Predicting Levels of First Year University Performance. *British Journal of Educational Psychology*, 41, 163-170.

- Wilson, K. M. (1980). The Performance of Minority Students Beyond the Freshman Year: Testing a "Late Bloomer" Hypothesis in one State University setting. *Research in Higher Education*, 13, 23-47.
- Winter, D. G. (1977). *Motivational Factors in the SAT Score Decline*. Princeton. New Jersey: College Entrance Examination Board.
- Wood, R. J. (1980). Undergraduate Grade Point Average as a Predictor of Success in Master's Level Programs at the University of Northern Colorado. Unpublished Doctoral Dissertation, University of Northern Colorado, Greeley.
- Young, J. W. (1990). Are Validity Coefficients Understated Due to Correctable Defects in the GPA. Research in higher Education, 31(4), 319-325.
- Young, J. W. and C. A. Barrett (1992). Analyzing High School Transcripts to Improve Prediction of College Performance. *Journal of College Admission*, 137, 25-29, Fall.
- Young, R. B. (1986). An Exploratory Study of Admissions Information and Success in a Preparation Program for Student Personnel Workers. *Journal of College Student Personnel*, March 131-136.

## **Appendix I:**

The unusable data from King Fahad University, Saudi Arabia

Entrance Number	Ram 1 Tota	Ram2 English	Ram2 Physics	Ram2 Chenestry	Ram2 Math	Ram2 Total	High School English	High School Physics	High School Chemestry	High School Math	High School Total	High School Percentage
71165	54	10	13	8	20	50.5	66	68	66	204	1356	78.4
71862	56	4	12	3	30	49	65	81	85	296	1548	89.5
71280	56	7	9	10	22	47.5	68	76	86	280	1523	88.0
70257	55	15	6	3	13	37	78	65	80	228	1386	80.1
76234	57	7	13	3	19	42	64	59	70	184	1409	81.4
73951	70	13		10	27	61	87	88	_ 86	272	1549	89.5
74111	83	8	14	7	23	52	80	76	80	232	1554	89.8
73737	59	5	6	5	14	30	66	58	75	185	1377	79.6
73719	59	4	10	4	14	31.5	61	62	61	229	1292	74.7
71757	69	_15	_16	13	23	66.5	87	78	82	199	1530	88.4
74223	68	18	8	4	18	48	89	81	82	260	1521	87.9
72388	78	18	16	18	37	89	89	95	94	299	1662	96.1
71996	55	7	12		17	43	78	89	92	267	1570	90.8
71945	57	10	12	6	6	33.5	87	71	78	171	1447	83.6
72240	46	9	14	10	31	64	90	93	98	286	1652	95.5
72709	89	20	16	8	30	73.5	93	94	92	258	_1582	91.4
75185	55	9	6	2	14	31	83	71	88	224	1541	89.1
70527	57	6	11	7	23	46.5	1	81	94	264	1464	84.6
47483	60	8	_10	3	19	39.5	80	85	80	279	1550	89.6
73783	57	7	5	5	_17	33.5	83	75	70	211	1466	84.7
74392	77	16	9	5	26	55.5	88	64	83	233	1465	84.7
70042	65	12	16	5	34	66.5	91	88	90	230	1539	89.0
72856	59	4	8	10	13	34.5	69	87	86	255	1553	89.8
45309	40	4	8	2	18	32	80	92	82	269	1567	90.6
74165	72	11	17	8	36	72	87	91	98	300	1637	94.6
72922	61	17	16	3		71.5	1		1	281	1687	97.5
75053		17	13	15	25	69.5	T			273	1623	1
72923	70	3	10	6	23	42	54	54	_ 59	242	1374	1
70895	57	7	7	6	22	42	70	74	84	233	1507	87.1
76237	64	9	14	11	25	58.5	79	76	74	196	1467	84.8
70583	67	9	12	7	12	40	68	61	62	208	1338	77.3
73781	56	6	8	10	17	41	74	78	85	257	1558	90.1
73659	69	20	17	3	37	77	96	99	100	300	1701	98.3
75661	60	4	8	5	23	40	78	58	77	220	1438	83.1
74295	60	8	8	7	11	34	60	66	67	167	1319	76.2
72008	60	7	12	9	28	56	65	78	87	276	1523	88.0
70535	61	7	8	2	16	32.5	63	69	64	206	1411	81.6
76588	57	11	13	10	22	55.5	84	82	93	250	1581	91.4
73420	26	7	5	3	12	26.5	71	62	69	234	1452	83.9

				,								
71936	67	3	15	7	31	56	75	83	90	289	1537	88.8
72834	49	12	13	4	_20	48.5	93	81	84	268	1581	91.4
75407	60	4	3	3	10	19.5	85	81	70	253	1477	85.4
73217	78	19	17	10	26	72	86	89	91	292	1619	93.6
72931	62	7	8	6	16	37	80	86	95	266	1580	91.3
71899	65	5	12	7	28	51.5	73		92	266	1568	90.6
93219	49	4	5	7	12	28	80	81	83	221	1470	85.0
75533	64	7	12	4	28	51	75	69	82	266	1508	87.2
73140	54	11	10	7	26	53.5	85	94	90	251	1593	92.1
72558	51	10	6	4	22	42	90	88	79	245	1531	88.5
71671	69	7	13	9	27	55.5	65	73	68	241	1422	82.2
70332	68	3	11	3	21	38	58	64	72	186	1328	76.8
71182	60	4	12	10	26	52	82	71	93	269	1584	91.6
70671	65	3	10	7	17	37	82	79	81	255	1526	88.2
70170	60	6	7	5	_10	27.5	67	59	69	184	1296	74.9
74639	75	11	13	6	23	53	88	50	57	188	1301	75.2
71831	57	10	12	11	24	56.5	90	88	97	275	1637	94.6
74186	79	14	13	5	21	53	92	90	92	285	1659	95.9
72844	60	5	10	11	20	45.5	71	75	81	265	1439	83.2
72319	66	6	8	1	_18	32.5	74	69	74	203	1404	81.2
74091	70	16	_10	6	_22	53.5	93	77	93	240	1537	88.8
70422	60	11	15	3	21	49.5	93	96	100	283	1672	96.6
72634	63	17	_11	1	26	54.5	93	89	84	254	1569	90.7
72480	54	5	13	8	5	30.5	77	77	71	186	1429	82.6
73556	59	10	15	_12	29	65.5	83	74	77	283	1549	89.5
74084	57	5	8	8	10	31	73	63	88	206	1426	82.4
72047	71	7	6	6	26	44.5	73	90	19	266	1550	89.6
75567	62	7	7	3	13	30	75	69	72	196	1418	82.0
75373	73	_ 5	10	14	16	45	64	77	82	199	1390	80.3
75077	55	4	13	6	17	39.5	62	85	100	266	1572	90.9
74693	66	18	13	15	17	63	88	82	74	241	1541	89.1
70817	58	10	10	4	17	41	80	86	82	258	1519	87.8
74470	69	8	15	8	_33	64	78	94	90	277	1590	91.9
74495	75	9	12	4	_29	54	87	97	96	279	1660	96.0
71580	53	12	13	3	28	55.5	81	91	93	276	1587	91.7
74837	_63	20	15	4	30	68.5	98	95	94	280	1677	96.9
75047	59	11	12	3	22	47.5	81	88	82	254	1550	89.6
73799	58	15	11	11	16	_ 52.5	68	62	52	201	1299	75.1
73549	69	11	11	4	28	53.5	82	92	98	296	1626	94.0
75116	72	8	11	10	13	41.5	75	50	67	164	1281	74.0
70767	53	9	9	5	6	28.5	79	66	78	250	1499	86.6
70834	40	8	10	6	20	44	85	91	100	257	1589	91.8
74694	56	15	11	11	34	70.5	85	85	79	277	1509	87.2
70404	63	4	10	6	26	45.5	80	78	79	272	1566	90.5

74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209													
72131         61         13         11         9         27         59.5         77         66         64         231         1294         74.8           70156         61         7         12         3         20         41.5         79         80         87         276         1557         90.0           71944         57         6         9         3         8         25.5         63         60         60         180         1307         75.5           74734         69         14         8         5         26         53         84         63         71         234         1461         84.5           72496         59         19         14         3         27         62.5         94         87         86         1522         89.7           70414         55         5         7         9         15         35.5         59         61         61         191         1322         77.6           7881         5         18         4         12         32         75         65         60         154         1342         77.7         76         45         94         94	70188	60	8	11	3	21	43	86	82	85	239	1534	88.7
70156         61         7         12         3         20         41.5         79         80         87         276         1557         90.0           71944         57         6         9         3         8         25.5         63         60         60         180         1307         75.5           74734         69         14         8         5         26         53         84         63         71         234         1461         84.5           72496         59         19         14         3         27         62.5         94         87         87         266         1552         89.7           70414         55         5         7         9         15         35.5         59         61         61         191         1327         76.7           73819         56         8         8         4         12         32         75         65         60         154         1342         77.6           73819         56         8         8         4         59         97         98         299         1622         94.9           70173         75         15         1	72279	54	8	7	_2	18	35	62	53	59	242	1383	79.9
71944         57         6         9         3         8         25.5         63         60         60         180         1307         75.5           74734         69         14         8         5         26         53         84         63         71         234         1461         84.5           72626         57         4         9         3         20         36         63         53         64         189         1298         75.0           72496         59         19         14         3         27         62.5         94         87         87         266         1552         89.7           70414         55         5         7         9         15         35.5         59         61         61         191         1327         76.7           73282         66         6         7         14         4         34         59         86         95         93         292         1642         94.9         94         97         98         299         1675         96.8         89         97         98         299         1675         96.8         89         99         97	72131	61	13	_11	9	27	59.5	_77	66	64	231	1294	74.8
74734         68         14         8         5         26         53         84         63         71         234         1461         84.5           72626         57         4         9         3         20         36         63         53         64         189         1298         75.0           72496         59         19         14         3         27         62.5         94         87         87         266         1552         89.7           70414         55         5         7         9         15         35.5         59         61         61         191         1327         76.7           73819         56         8         8         4         12         32         75         65         60         154         1342         77.6           76282         66         7         14         4         34         59         86         95         92         1622         93.8           76454         57         8         14         11         127         59.5         88         99         97         293         1622         93.8           74471         6         1	70156	61	7	12	3	20	41.5	79	80	87	276	1557	90.0
72626         57         4         9         3         20         36         63         53         64         189         1298         75.0           72496         59         19         14         3         27         62.5         94         87         87         266         1552         89.7           70414         55         5         7         9         15         35.5         59         61         61         191         1327         76.7           73819         56         8         8         4         12         32         75         65         60         154         1342         77.6           76282         66         7         14         4         34         59         86         95         93         292         1642         94.9           70173         75         15         18         5         36         74         95         97         98         299         1675         96.8           76454         57         8         14         11         17         75         55         61         20         16.8         99         38.8         99         97         293<	71944	57	6	9	3	8	25.5	63	60	60	180	1307	75.5
72496         59         19         14         3         27         62.5         94         87         87         266         1552         89.7           70414         55         5         7         9         15         35.5         59         61         61         191         1327         76.7           73819         56         8         8         4         12         32         75         65         60         154         1342         77.6           76282         66         7         14         4         34         59         86         95         93         292         1642         94.9           70173         75         15         18         5         36         74         95         97         98         299         1675         96.8           76454         57         8         14         11         27         59.5         88         99         97         293         1622         93.8           74471         62         8         9         5         21         42.5         73         84         67         201         1469         84.99           75103	74734	69	14	_ 8	5	26	53	84	63	71	234	1461	84.5
70414         55         5         7         9         15         35.5         59         61         61         191         1327         76.7         78819         56         8         8         4         12         32         75         65         60         154         1342         77.6         76.7         76.7         76.7         76.7         76.7         66         60         154         1342         77.6         77.7         78.8         77.7         77.7	72626	57	4	9	3	20	36	_63	53	64	189	1298	75.0
73819         56         8         8         4         12         32         75         65         60         154         1342         77.6           76282         66         7         14         4         34         59         86         95         93         292         1642         94.9           70173         75         15         18         5         36         74         95         97         98         299         1675         96.8           76454         57         8         14         11         27         59.5         88         99         97         293         1622         93.8           74471         62         8         9         5         21         42.5         73         84         67         201         1469         84.9           73243         71         6         11         4         26         46.5         72         81         84         268         1548         89.5           72114         77         16         14         5         29         63.5         91         82         282         1548         89.5           72111         13	72496	_ 59	19	14	3	27	62.5	94	87	87	266	1552	89.7
76282         66         7         14         4         34         59         86         95         93         292         1642         94.9           70173         75         15         18         5         36         74         95         97         98         299         1675         96.8           76454         57         8         14         11         27         59.5         88         99         97         293         1622         93.8           74471         62         8         9         5         21         42.5         73         84         67         201         1469         84.9           73243         71         6         11         4         26         46.5         72         81         84         268         1548         89.5           72114         77         16         14         5         29         63.5         91         82         83         247         1513         87.5           72100         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           72010	70414	55	5	7	9	15	35.5	59	61	61	191	1327	76.7
70173         75         15         18         5         36         74         95         97         98         299         1675         96.8           76454         57         8         14         11         27         59.5         88         99         97         293         1622         93.8           74471         62         8         9         5         21         42.5         73         84         67         201         1469         84.9           73243         71         6         11         4         26         46.5         72         81         84         268         1548         89.5           72114         77         16         14         5         29         63.5         91         82         83         247         1513         87.5           72010         63         9         13         8         15         45         71         55         61         208         14.98         86.6           72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70503	73819	56	8	8	4	12	32	75	65	60	154	1342	77.6
76454         57         8         14         11         27         59.5         88         99         97         293         1622         93.8           74471         62         8         9         5         21         42.5         73         84         67         201         1469         84.9           73243         71         6         11         4         26         46.5         72         81         84         268         1548         89.5           72114         77         16         14         5         29         63.5         91         82         83         247         1513         87.5           72700         63         9         13         8         15         45         71         55         61         208         1296         74.9           75103         81         13         9         6         10         37.5         83         70         85         256         1498         86.6           72010         67         11         15         23         46         73         75         72         238         1475         85.3           73261         67	76282	66	7	14	4	34	59	86	95	93	292	1642	94.9
74471         62         8         9         5         21         42.5         73         84         67         201         1469         84.9           73243         71         6         11         4         26         46.5         72         81         84         268         1548         89.5           72114         77         16         14         5         29         63.5         91         82         83         247         1513         87.5           72780         63         9         13         8         15         45         71         55         61         208         1296         74.9           75103         81         13         9         6         10         37.5         83         70         85         256         1498         86.6           72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           73261	70173	75	15	18	5	36	74	95	97	98	299	1675	96.8
73243         71         6         11         4         26         46.5         72         81         84         268         1548         89.5           72114         77         16         14         5         29         63.5         91         82         83         247         1513         87.5           72780         63         9         13         8         15         45         71         55         61         208         1296         74.9           75103         81         13         9         6         10         37.5         83         70         85         256         1498         86.6           72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           7361         67         20         18         6         33         76.5         92         92         92         292         194         1669         96.5	76454	57	8	14	_11	27	59.5	88	99	97	293	1622	93.8
72114         77         16         14         5         29         63.5         91         82         83         247         1513         87.5           72780         63         9         13         8         15         45         71         55         61         208         1296         74.9           75103         81         13         9         6         10         37.5         83         70         85         256         1498         86.6           72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           73261         67         20         18         6         33         76.5         92         92         92         294         1669         96.5           71078         76         20         18         6         33         76.5         92         92         292         294         1669         96.5           70181	74471	62	8	9	5	21	42.5	73	84	67	201	1469	84.9
72780         63         9         13         8         15         45         71         55         61         208         1296         74.9           75103         81         13         9         6         10         37.5         83         70         85         256         1498         86.6           72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           73261         67         20         10         7         20         56.5         87         90         95         280         1627         94.0           71078         76         20         18         6         33         76.5         92         92         292         294         1669         96.5           70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342	73243	71	6	11	4	26	46.5	72	81	84	268	1548	89.5
75103         81         13         9         6         10         37.5         83         70         85         256         1498         86.6           72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           73261         67         20         10         7         20         56.5         87         90         95         280         1627         94.0           71078         76         20         18         6         33         76.5         92         92         92         294         1669         96.5           70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273	72114	77	16	14	5	29	63.5	91	82	83	247	1513	87.5
72010         67         11         11         6         21         48.5         81         79         81         227         1463         84.6           70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           73261         67         20         10         7         20         56.5         87         90         95         280         1627         94.0           71078         76         20         18         6         33         76.5         92         92         92         294         1669         96.5           70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535	72780	63	9	13	8	15	45	71	55	61	208	1296	74.9
70533         62         7         11         5         23         46         73         75         72         238         1475         85.3           73261         67         20         10         7         20         56.5         87         90         95         280         1627         94.0           71078         76         20         18         6         33         76.5         92         92         92         294         1669         96.5           70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815	75103	81	13	9	6	_10	37.5	83	70	85	256	1498	86.6
73261         67         20         10         7         20         56.5         87         90         95         280         1627         94.0           71078         76         20         18         6         33         76.5         92         92         92         294         1669         96.5           70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73466	72010	67	11	11	6	21	48.5	81	79	81	227	1463	84.6
71078         76         20         18         6         33         76.5         92         92         92         294         1669         96.5           70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986	70533	62	7	11	5	23	46	73	75	72	238	1475	85.3
70181         53         18         9         6         28         60.5         96         83         82         217         1517         87.7           71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           70501         <	73261	67	20	10	7	20	56.5	87	90	95	280	1627	94.0
71342         47         10         6         6         17         38.5         89         77         94         264         1591         92.0           72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         <	71078	76	20	18	6	33	76.5	92	92	92	294	1669	96.5
72273         76         20         15         5         34         73.5         97         95         86         292         1657         95.8           72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097 <td< td=""><td>70181</td><td>53</td><td>18</td><td>9</td><td>6</td><td>28</td><td>60.5</td><td>96</td><td>83</td><td>82</td><td>217</td><td>1517</td><td>87.7</td></td<>	70181	53	18	9	6	28	60.5	96	83	82	217	1517	87.7
72535         69         14         14         4         30         62         80         84         83         266         1489         86.1           45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086 <td< td=""><td>71342</td><td>47</td><td>10</td><td>6</td><td>6</td><td>_ 17</td><td>38.5</td><td>89</td><td>77</td><td>94</td><td>264</td><td>1591</td><td>92.0</td></td<>	71342	47	10	6	6	_ 17	38.5	89	77	94	264	1591	92.0
45815         54         7         3         6         13         29         75         85         76         229         1462         84.5           73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941 <t< td=""><td>72273</td><td>76</td><td>20</td><td>15</td><td>5</td><td>34</td><td>73.5</td><td>97</td><td>95</td><td>86</td><td>292</td><td>1657</td><td>95.8</td></t<>	72273	76	20	15	5	34	73.5	97	95	86	292	1657	95.8
73426         57         7         13         4         22         46         65         78         84         259         1523         88.0           73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692	72535	69	14	14	4	30	62	80	84	83	266	1489	86.1
73986         59         6         9         2         12         28.5         73         77         87         181         1466         84.7           71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160	45815	54	7	3	6	13	29	75	85	76	229	1462	84.5
71560         64         5         11         2         16         33.5         63         73         77         228         1484         85.8           70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993	73426	57	7	13	4	22	46	65	78	84	259	1523	88.0
70501         66         7         10         6         16         39         71         81         79         256         1524         88.1           72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442	73986	59	6	9	2	12	28.5	73	77	87	181	1466	84.7
72097         53         12         14         7         20         52.5         79         81         89         257         1516         87.6           75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961 <td>71560</td> <td>64</td> <td>5</td> <td>11</td> <td>2</td> <td>_16</td> <td>33.5</td> <td>63</td> <td>73</td> <td>77</td> <td>228</td> <td>1484</td> <td>85.8</td>	71560	64	5	11	2	_16	33.5	63	73	77	228	1484	85.8
75086         57         8         10         3         20         40.5         68         50         50         169         1102         63.7           73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927	70501	66	7	10	6	16	39	. 71	81	79	256	1524	88.1
73941         56         19         11         2         28         59.5         92         78         75         251         1530         88.4           74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609	72097	53	12	14	7	20	52.5	79	81	89	257	1516	87.6
74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209	75086	57	8	10	3	20	40.5	68	50	50	169	1102	63.7
74692         75         17         17         5         19         57.5         94         91         93         268         1652         95.5           72160         63         9         10         3         23         44.5         59         78         85         259         1495         86.4           70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209		56	19	11		28		92	78	75	251	1530	88.4
70993         57         9         11         10         25         54.5         77         74         87         257         1497         86.5           74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209         73         3         10         8         13         33.5         61         74         73         189         1378         79.7           73930         66         11         17         8         22         57.5         81         84         96         268         1569         90.7	74692	75	17	17	5	19	57.5	94	91	93	268	1652	95.5
74442         69         11         15         3         22         50.5         82         81         91         271         1586         91.7           70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209         73         3         10         8         13         33.5         61         74         73         189         1378         79.7           73930         66         11         17         8         22         57.5         81         84         96         268         1569         90.7	72160	63	9	10	3	23	44.5	59	78	85	259	1495	86.4
70961         63         5         5         4         13         27         82         71         82         240         1530         88.4           71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209         73         3         10         8         13         33.5         61         74         73         189         1378         79.7           73930         66         11         17         8         22         57.5         81         84         96         268         1569         90.7	70993	57	9	11	10	25	54.5	77	74	87	257	1497	86.5
71927         54         7         12         6         17         41.5         83         76         88         220         1540         89.0           73609         70         17         16         4         12         49         96         88         97         250         1631         94.3           70209         73         3         10         8         13         33.5         61         74         73         189         1378         79.7           73930         66         11         17         8         22         57.5         81         84         96         268         1569         90.7	74442	69	11	15	3	22	50.5	82	81	91	271	1586	91.7
73609     70     17     16     4     12     49     96     88     97     250     1631     94.3       70209     73     3     10     8     13     33.5     61     74     73     189     1378     79.7       73930     66     11     17     8     22     57.5     81     84     96     268     1569     90.7	70961	63	5	5	4	13	27	82	71	82	240	1530	88.4
70209     73     3     10     8     13     33.5     61     74     73     189     1378     79.7       73930     66     11     17     8     22     57.5     81     84     96     268     1569     90.7	71927	54	7	12	6	17	41.5	83	76	88	220	1540	89.0
73930 66 11 17 8 22 57.5 81 84 96 268 1569 90.7	73609	70	17	16	4	12	49	96	88	97	250	1631	94.3
73930 66 11 17 8 22 57.5 81 84 96 268 1569 90.7	70209	73	3	10	8	13	33.5	61	74	73	189	1378	79.7
75513 63 8 12 6 29 54.5 82 89 89 227 1550 89.6	73930	66	11	17	8	22	57.5	81	84	96	268	1569	90.7
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75513	63	8	12	6	29	54.5	82	89	89	227	1550	89.6

76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72637         57         7         6         6         13         32         69         66         65         195         1375         79.5           70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         15         29         68         64         82         219         1460         84.4           73342 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>													
71301         78         19         15         6         28         68         97         93         94         278         1652         95.5           70349         81         9         13         3         19         43.5         72         56         64         209         1400         80.9           74924         67         9         12         1         26         48         89         93         99         292         1676         96.9           73683         62         17         11         16         4         37         68         85         93         100         300         1691         97.7           75721         70         11         16         4         37         68         95         93         100         300         1691         97.7           74020         57         7         10         8         19         44         72         65         68         187         1385         86.5         91         87         7262         1599         92.4           72259         57         5         4         5         8         22         75         72         6	72292	47	5	12	9	22	48	78	84	80	249	1507	87.1
70349         81         9         13         3         19         43.5         72         56         64         209         1400         80.9           74178         57         6         14         7         26         52.5         82         93         95         277         1597         92.3           74924         67         9         12         1         26         48         89         93         99         292         1676         96.9           73683         62         17         11         16         4         37         68         95         93         100         300         1691         97.7           75721         70         11         16         4         37         68         95         93         100         300         1691         97.7           74020         57         7         10         8         19         44         72         65         68         187         1385         80.1         8         12         275         72         60         229         1406         81.3           73153         56         6         10         9         10 <th< td=""><td>75740</td><td>66</td><td>9</td><td>15</td><td>7</td><td>27</td><td>58</td><td>74</td><td>79</td><td>80</td><td>245</td><td>1337</td><td>77.3</td></th<>	75740	66	9	15	7	27	58	74	79	80	245	1337	77.3
74178         57         6         14         7         26         52.5         82         93         95         277         1597         92.3           74924         67         9         12         1         26         48         89         93         99         292         1676         96.9           73683         62         17         11         11         24         62.5         88         81         84         233         1497         86.5           72197         69         17         14         5         33         68.5         92         88         77         252         1497         86.5           75721         70         11         16         4         37         68         95         93         100         300         1691         97.7           74020         57         7         10         8         19         44         72         65         68         1801         37.7         60         229         1406         81.3         33         80         66         273         1495         86.5         81.3         80         62         213         1514         87.5         81 <td>71301</td> <td>78</td> <td>19</td> <td>15</td> <td>6</td> <td>28</td> <td>68</td> <td>97</td> <td>93</td> <td>94</td> <td>278</td> <td>1652</td> <td>95.5</td>	71301	78	19	15	6	28	68	97	93	94	278	1652	95.5
74924         67         9         12         1         26         48         89         93         99         292         1676         96.9         73683         62         17         11         11         24         62.5         88         81         84         233         1497         86.5         72197         69         17         14         5         33         68.5         92         88         77         252         1497         86.5         75721         70         11         16         4         37         68         95         93         100         300         1691         97.7         74020         57         7         10         8         19         44         72         65         68         187         1385         80.1         72259         57         5         4         5         8         22         75         72         60         229         1406         81.3         73153         56         6         10         9         10         35         86         76         85         223         1495         86.4         75         1519         93.6         73153         151         171         34         73 <td>70349</td> <td>81</td> <td>9</td> <td>_13</td> <td>3</td> <td>19</td> <td>43.5</td> <td>72</td> <td>56</td> <td>64</td> <td>209</td> <td>1400</td> <td>80.9</td>	70349	81	9	_13	3	19	43.5	72	56	64	209	1400	80.9
73683   62   17   11   11   24   62.5   88   81   84   233   1497   86.5     72197   69   17   14   5   33   68.5   92   88   77   252   1497   86.5     75721   70   11   16   4   37   68   95   93   100   300   1691   97.7     74020   57   7   10   8   19   44   72   65   68   187   1385   80.1     72883   71   14   13   10   28   65   91   87   87   262   1599   92.4     72259   57   5   4   5   8   22   75   72   60   229   1406   81.3     73436   59   8   14   5   52   48.5   83   80   86   273   1495   86.4     73153   56   6   10   9   10   35   86   76   85   213   1514   87.5     72811   51   5   11   11   32   59   86   89   91   292   1619   93.6     73088   75   16   17   6   34   73   98   98   99   300   1719   99.4     72404   60   9   11   9   27   56   85   89   94   286   1604   92.7     72040   73   3   1   5   7   16   86   68   70   210   1397   80.8     85116   63   13   14   5   32   64   96   98   99   280   1569   97.8     72722   60   9   10   5   32   55.5   81   78   78   78   280   1569   91.8     76392   72   15   8   16   31   70   92   72   81   285   1589   91.8     76392   72   15   8   16   31   70   92   72   81   285   1589   91.8     76292   48   6   11   3   14   34   81   82   91   277   1566   90.5     71539   56   5   10   11   19   45   72   78   87   238   1477   85.4     73342   78   18   13   16   31   77.5   96   96   99   295   1679   97.1     92142   51   5   11   5   21   41.5   63   81   73   199   1431   82.7     73602   60   2   8   2   10   21.5   72   86   78   256   1602   92.6     73602   60   2   8   2   10   21.5   72   86   78   256   1602   92.6     73602   60   2   8   2   10   21.5   72   86   78   256   1505   87.0     71789   25   6   12   42   42.5   82   93   97   274   1622   93.8     72684   65   11   12   8   20   51   94   89   82   280   1596   92.3     72684   65   11   12   8   20   51   94   89   82   280   1596   92.3     72684   67   13   12   7   24   56   57   88   74   86   249   1547   89.4     70884   76   18   16   6   30   69.5	74178	57	6	14	7	26	52.5	82	93	95	277	1597	92.3
72197         69         17         14         5         33         68.5         92         88         77         252         1497         86.5           75721         70         11         16         4         37         68         95         93         100         300         1691         97.7           74020         57         7         10         8         19         44         72         65         68         187         1385         80.1           722893         71         14         13         10         28         65         91         87         87         262         1599         92.4           72259         57         5         4         5         8         22         75         72         60         229         1406         81.3           73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           72404 <t< td=""><td>74924</td><td>67</td><td>9</td><td>12</td><td>_1</td><td>26</td><td>48</td><td>89</td><td>93</td><td>99</td><td>292</td><td>1676</td><td>96.9</td></t<>	74924	67	9	12	_1	26	48	89	93	99	292	1676	96.9
75721         70         11         16         4         37         68         95         93         100         300         1691         97.7           74020         57         7         10         8         19         44         72         65         68         187         1385         80.1           72283         71         14         13         10         28         65         91         87         87         262         1599         92.4           72259         57         5         4         5         8         22         75         72         60         229         1406         81.3           73436         59         8         14         5         22         48.5         83         80         86         273         1495         86.4           73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           72404	73683	62	17	11	_11	24	62.5	88	81	84	233	1497	86.5
74020         57         7         10         8         19         44         72         65         68         187         1385         80.1           72883         71         14         13         10         28         65         91         87         87         262         1599         92.4           72259         57         5         4         5         8         22         75         72         60         229         1406         81.3           73436         59         8         14         5         22         48.5         83         80         86         273         1495         86.4           73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           728040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63<	72197	69	17	14	5	33	68.5	92	88	77	252	1497	86.5
72883         71         14         13         10         28         65         91         87         262         1599         92.4           72259         57         5         4         5         8         22         75         72         60         229         1406         81.3           73436         59         8         14         5         22         48.5         83         80         86         273         1495         86.4           73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           73088         75         16         17         6         34         73         98         98         99         300         1719         99.4         286         1604         92.7         72040         73         3         1         5         7         16         86         68         70         210         1397         80.8         88 <td< td=""><td>75721</td><td>70</td><td>11</td><td>16</td><td>4</td><td>37</td><td>68</td><td>95</td><td>93</td><td>100</td><td>300</td><td>1691</td><td>97.7</td></td<>	75721	70	11	16	4	37	68	95	93	100	300	1691	97.7
72259         57         5         4         5         8         22         75         72         60         229         1406         81.3           73436         59         8         14         5         22         48.5         83         80         86         273         1495         86.4           73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           73088         75         16         17         6         34         73         98         98         99         300         1719         99.4           72404         60         9         11         9         27         56         85         89         94         286         1604         92.7           72040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63 <td>74020</td> <td>57</td> <td>7</td> <td>10</td> <td>8</td> <td>19</td> <td>44</td> <td>72</td> <td>65</td> <td>68</td> <td>187</td> <td>1385</td> <td>80.1</td>	74020	57	7	10	8	19	44	72	65	68	187	1385	80.1
73436         59         8         14         5         22         48.5         83         80         86         273         1495         86.4           73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           73088         75         16         17         6         34         73         98         99         99         300         1719         99.4           72404         60         9         11         9         27         56         85         89         94         286         1604         92.7           72040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63         13         14         5         32         55.5         81         78         78         280         1589         91.8           72722	72883	71	14	13	10	28	65	91	87	87	262	1599	92.4
73153         56         6         10         9         10         35         86         76         85         213         1514         87.5           72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           73088         75         16         17         6         34         73         98         98         99         300         1719         99.4           72404         60         9         11         9         27         56         85         89         94         286         1604         92.7           72040         73         3         1         5         72         16         86         68         70         210         1397         80.8           85116         63         13         14         5         32         64         96         98         99         292         1693         97.9           72722         60         9         10         5         32         55.5         81         78         78         280         1566         90.5         1.8         14.5	72259	57	5	4	5	8	22	75	72	60	229	1406	81.3
72811         51         5         11         11         32         59         86         89         91         292         1619         93.6           73088         75         16         17         6         34         73         98         98         99         300         1719         99.4           72404         60         9         11         9         27         56         85         89         94         286         1604         92.7           72040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63         13         14         5         32         64         96         98         99         292         1693         97.9           72722         60         9         10         5         32         55.5         81         78         280         1566         90.5           74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         1	73436	59	8	14	5	22	48.5	83	80	86	273	1495	86.4
73088         75         16         17         6         34         73         98         98         99         300         1719         99.4           72404         60         9         11         9         27         56         85         89         94         286         1604         92.7           72040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63         13         14         5         32         64         96         98         99         292         1693         97.9           72722         60         9         10         5         32         55.5         81         78         280         1566         90.5           74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72316         61         9	73153	56	6	10	9	10	35	86	76	85	213	1514	87.5
72404         60         9         11         9         27         56         85         89         94         286         1604         92.7           72040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63         13         14         5         32         64         96         98         99         292         1693         97.9           72722         60         9         10         5         32         55.5         81         78         78         280         1566         90.5           74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         4	72811	51	5	11	_11	32	59	86	89	91	292	1619	93.6
72040         73         3         1         5         7         16         86         68         70         210         1397         80.8           85116         63         13         14         5         32         64         96         98         99         292         1693         97.9           72722         60         9         10         5         32         55.5         81         78         78         280         1566         90.5           74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           76376         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34.5         82         65         75         249         1476         85.3           71627 <td< td=""><td>73088</td><td>_ 75</td><td>16</td><td>17</td><td>6</td><td>34</td><td>73</td><td>98</td><td>98</td><td>99</td><td>300</td><td>1719</td><td>99.4</td></td<>	73088	_ 75	16	17	6	34	73	98	98	99	300	1719	99.4
85116         63         13         14         5         32         64         96         98         99         292         1693         97.9           72722         60         9         10         5         32         55.5         81         78         78         280         1566         90.5           74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72637         57         7         6         6         13         32         69         66         65         195         1375         79.5           70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           71539	72404	60	9	11	9	27	56	85	89	94	286	1604	92.7
72722         60         9         10         5         32         55.5         81         78         78         280         1566         90.5           74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72637         57         7         6         6         13         32         69         66         65         195         1375         79.5           70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5         76292         48         6         11         3         14         34         81         82         91         277         1566         90.5         72.1         14         38.5         82         65         75         249         1476         85.3         71539         56         5         10         11         19         45         72	72040	73	3	1	5	7	16	86	68	70	210	1397	80.8
74578         56         6         8         7         21         41.5         82         86         99         280         1589         91.8           76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72637         57         7         6         6         13         32         69         66         65         195         1375         79.5           70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539 <t< td=""><td>85116</td><td>63</td><td>13</td><td>14</td><td>5</td><td>32</td><td>64</td><td>96</td><td>98</td><td>99</td><td>292</td><td>1693</td><td>97.9</td></t<>	85116	63	13	14	5	32	64	96	98	99	292	1693	97.9
76392         72         15         8         16         31         70         92         72         81         285         1589         91.8           72637         57         7         6         6         13         32         69         66         65         195         1375         79.5           70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         15         29         68         64         82         219         1460         84.4           73342 <t< td=""><td>72722</td><td>60</td><td>9</td><td>10</td><td>_5</td><td>32</td><td>55.5</td><td>81</td><td>78</td><td>78</td><td>280</td><td>1566</td><td>90.5</td></t<>	72722	60	9	10	_5	32	55.5	81	78	78	280	1566	90.5
72637         57         7         6         6         13         32         69         66         65         195         1375         79.5           70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         19         45         72         78         87         238         1477         85.4           74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342 <td< td=""><td>74578</td><td>56</td><td>6</td><td>8</td><td>7</td><td>21</td><td>41.5</td><td>82</td><td>86</td><td>99</td><td>280</td><td>1589</td><td>91.8</td></td<>	74578	56	6	8	7	21	41.5	82	86	99	280	1589	91.8
70576         63         9         9         5         12         34.5         54         50         62         208         1271         73.5           76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         19         45         72         78         87         238         1477         85.4           74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142	76392	72	15	8	16	31	70	92	72	81	285	1589	91.8
76292         48         6         11         3         14         34         81         82         91         277         1566         90.5           72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         19         45         72         78         87         238         1477         85.4           74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637	72637	57	7	6	6	13	32	69	66	65	195	1375	79.5
72316         61         9         11         5         14         38.5         82         65         75         249         1476         85.3           71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         19         45         72         78         87         238         1477         85.4           74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602	70576	63	9	9	5	12	34.5	54	50	62	208	1271	73.5
71627         62         12         15         4         23         53.5         95         91         97         266         1647         95.2           71539         56         5         10         11         19         45         72         78         87         238         1477         85.4           74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789	76292	48	6	11	3	14	34	81	. 82	. 91	277	1566	90.5
71539         56         5         10         11         19         45         72         78         87         238         1477         85.4           74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402	72316	61	9	11	5	14	38.5	82	65	75	249	1476	85.3
74757         60         3         10         1         15         29         68         64         82         219         1460         84.4           73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834	71627	62	12	15	4	23	53.5	95	91	97	266	1647	95.2
73342         78         18         13         16         31         77.5         96         96         99         295         1679         97.1           92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900	71539	56	5	10	11	19	45	72	78	87	238	1477	85.4
92142         51         5         11         5         21         41.5         63         81         73         199         1431         82.7           73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642	74757	60	3	10	1	15	29	68	64	82	219	1460	84.4
73637         44         8         8         14         21         50.5         87         93         91         256         1602         92.6           73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684	73342	78	18	13	16	31	77.5	96	96	99	295	1679	97.1
73602         60         2         8         2         10         21.5         72         86         78         256         1505         87.0           71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616	92142	51	5	11	5	21	41.5	63	81	73	199	1431	82.7
71789         25         6         12         4         26         47.5         74         91         93         276         1578         91.2           70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385	73637	44	8	8	14	21	50.5	87	93	91	256	1602	92.6
70402         57         6         8         12         16         41.5         61         82         84         243         1438         83.1           74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385         52         6         14         5         26         51         87         85         94         276         1601         92.5           72369	73602	60	2	8	2	10	21.5	72	86	78	256	1505	87.0
74834         57         11         14         7         23         54.5         90         96         96         271         1622         93.8           73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385         52         6         14         5         26         51         87         85         94         276         1601         92.5           72369         67         13         12         7         24         56         87         74         86         249         1547         89.4           70884	71789	25	6	12	4	26	47.5	74	91	93	276	1578	91.2
73900         55         14         12         11         27         63.5         89         91         99         277         1657         95.8           70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385         52         6         14         5         26         51         87         85         94         276         1601         92.5           72369         67         13         12         7         24         56         87         74         86         249         1547         89.4           70884         76         18         16         6         30         69.5         88         88         86         253         1574         91.0	70402	57	6	8	12	16	41.5	61	82	84	243	1438	83.1
70642         57         7         11         4         21         42.5         82         93         97         274         1622         93.8           72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385         52         6         14         5         26         51         87         85         94         276         1601         92.5           72369         67         13         12         7         24         56         87         74         86         249         1547         89.4           70884         76         18         16         6         30         69.5         88         88         86         253         1574         91.0	74834	57	11	14	7	23	54.5	90	96	96	271	1622	93.8
72684         65         11         12         8         20         51         94         89         82         280         1596         92.3           75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385         52         6         14         5         26         51         87         85         94         276         1601         92.5           72369         67         13         12         7         24         56         87         74         86         249         1547         89.4           70884         76         18         16         6         30         69.5         88         88         86         253         1574         91.0	73900	55	_14	12	11	27	63.5	89	91	99	277	1657	95.8
75616         77         5         6         5         12         27.5         64         68         69         198         1398         80.8           71385         52         6         14         5         26         51         87         85         94         276         1601         92.5           72369         67         13         12         7         24         56         87         74         86         249         1547         89.4           70884         76         18         16         6         30         69.5         88         88         86         253         1574         91.0	70642	57	7	1,1	4	21	42.5	82	93	97	274	1622	93.8
71385 52 6 14 5 26 51 87 85 94 276 1601 92.5 72369 67 13 12 7 24 56 87 74 86 249 1547 89.4 70884 76 18 16 6 30 69.5 88 88 86 253 1574 91.0	72684	65	11	12	8	20	51	94	89	82	280	1596	92.3
72369     67     13     12     7     24     56     87     74     86     249     1547     89.4       70884     76     18     16     6     30     69.5     88     88     86     253     1574     91.0	75616	77	5	6	5	12	27.5	64	68	69	198	1398	80.8
70884 76 18 16 6 30 69.5 88 88 86 253 1574 91.0	71385	52	6	14	5	26	51	87	85	94	276	1601	92.5
	72369	67	13	12	. 7	24	56	87	74	86	249	1547	89.4
72069  63  5  9  3  13  30  75  76  90  241  1536  88.8	70884	76	18	16	6	30	69.5	88	88	86	253	1574	91.0
	72069	63	5	9	3	13	30	75	76	90	241	1536	88.8

75461         57         4         7         6         12         28.5         73         72         80         257         1532         88           71032         87         19         16         9         36         79.5         99         99         100         300         1723         99           75875         43         3         6         7         14         30         61         72         80         247         1418         82           72249         56         11         15         9         19         54         77         67         80         202         1346         77           71552         59         15         14         12         23         64         83         58         76         23         1342         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71616         53         11         16         12         29         65.5         76         73         68         263         1550         80           71187         65							,						
71032         87         19         16         9         36         79.5         99         99         100         300         1723         99           75875         43         3         6         7         14         30         61         72         80         247         1418         82           72249         56         11         15         9         19         54         77         67         80         202         1346         77           71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         7         9         10         42.5         91         64         75         152         1338         80         7186         48         75         152         1395 <td>70119</td> <td>63</td> <td>8</td> <td>12</td> <td>8</td> <td>22</td> <td>50</td> <td>90</td> <td>84</td> <td>95</td> <td>273</td> <td>1612</td> <td>93.2</td>	70119	63	8	12	8	22	50	90	84	95	273	1612	93.2
75875         43         3         6         7         14         30         61         72         80         247         1418         82           72249         56         11         15         9         19         54         77         67         80         202         1346         77           71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           73676         52	75461	57	4	_ 7	6	12	28.5	73	72	80	257	1532	88.6
72249         56         11         15         9         19         54         77         67         80         202         1346         77           71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65 </td <td>71032</td> <td>87</td> <td>19</td> <td>16</td> <td>9</td> <td>36</td> <td>79.5</td> <td>99</td> <td>99</td> <td>100</td> <td>300</td> <td>1723</td> <td>99.6</td>	71032	87	19	16	9	36	79.5	99	99	100	300	1723	99.6
71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         66.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         13         1         22         45.5         87         74         87         275         1562         90           71187         65	75875	43	3	6	7	14	30	61	72	80	247	1418	82.0
74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         13         1         22         45.5         87         74         87         205         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           74612         6	72249	56	11	15	9	19	54	77	67	80	202	1346	77.8
71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         88         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71584         65         20         12         6         29         66.5         88         78         91         265         1592         92           74612         65	71552	59	15	14	12	23	64	83	58	76	243	1322	76.4
72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         6	74674	57	5	11	4	25	44.5	72	92	99	282	1617	93.5
71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           74489         53         13         11         5         32         60.5         78         78         87         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75	71161	56	4	6	3	18	30.5	68	60	62	204	1337	77.3
76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66 </td <td>72721</td> <td>72</td> <td>9</td> <td>14</td> <td>12</td> <td>22</td> <td>56.5</td> <td>76</td> <td>73</td> <td>68</td> <td>263</td> <td>1530</td> <td>88.4</td>	72721	72	9	14	12	22	56.5	76	73	68	263	1530	88.4
71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         87         88         7277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         2         29         49.5         71         79         76         244         1494         86           73724         78	71616	53	_11	16	12	29	67.5	88	90	98	293	1642	94.9
73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           73724         7	76035	57	17	7	9	10	42.5	91	64	75	152	1395	80.6
71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78	71187	65	. 10	15	8	27	60	85	85	73	290	1574	91.0
71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19	73676	52	10	13	1	22	45.5	87	74	87	275	1562	90.3
74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74678         63         18	71564	65	20	12	6	29	66.5	88	78	91	265	1592	92.0
72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         1331         76           72678         63         18         16 </td <td>71489</td> <td>53</td> <td>13</td> <td>11</td> <td>5</td> <td>32</td> <td>60.5</td> <td>78</td> <td>78</td> <td>87</td> <td>277</td> <td>1592</td> <td>92.0</td>	71489	53	13	11	5	32	60.5	78	78	87	277	1592	92.0
72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           76377	74612	65	11	13	11	26	61	96	78	95	274	1563	90.3
73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           72862         58 </td <td>72839</td> <td>62</td> <td>11</td> <td>12</td> <td>4</td> <td>21</td> <td>48</td> <td>82</td> <td>69</td> <td>90</td> <td>211</td> <td>1524</td> <td>88.1</td>	72839	62	11	12	4	21	48	82	69	90	211	1524	88.1
75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72132         57	72606	75	16	13	5	25	58.5	93	88	70	284	1607	92.9
73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57	73418	66	15	15	7	30	66.5	91	96	96	297	1684	97.3
73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59 <td>75709</td> <td>60</td> <td>6</td> <td>13</td> <td>_ 2</td> <td>29</td> <td>49.5</td> <td>71</td> <td>79</td> <td>76</td> <td>244</td> <td>1494</td> <td>86.4</td>	75709	60	6	13	_ 2	29	49.5	71	79	76	244	1494	86.4
74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57 <td>73724</td> <td>78</td> <td>9</td> <td>12</td> <td>13</td> <td>_17</td> <td>50.5</td> <td>77</td> <td>80</td> <td>83</td> <td>270</td> <td>1518</td> <td>87.7</td>	73724	78	9	12	13	_17	50.5	77	80	83	270	1518	87.7
72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56 <td>73440</td> <td>87</td> <td>19</td> <td>19</td> <td>6</td> <td>38</td> <td>82</td> <td>.97</td> <td>100</td> <td>100</td> <td>300</td> <td>1719</td> <td>99.4</td>	73440	87	19	19	6	38	82	.97	100	100	300	1719	99.4
70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61 <td>74656</td> <td>66</td> <td>18</td> <td>13</td> <td>5</td> <td>16</td> <td>52</td> <td>82</td> <td>61</td> <td>66</td> <td>165</td> <td>1331</td> <td>76.9</td>	74656	66	18	13	5	16	52	82	61	66	165	1331	76.9
76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57<	72678	63	18	16	10	23	66.5	89	70	86	235	1451	83.9
72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61<	70873	57	4	9	6	12	31	61	75	75	203	1369	79.1
72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56 <td>76377</td> <td>65</td> <td>7</td> <td>10</td> <td>5</td> <td>29</td> <td>51</td> <td>89</td> <td>89</td> <td>98</td> <td>290</td> <td>1624</td> <td>93.9</td>	76377	65	7	10	5	29	51	89	89	98	290	1624	93.9
71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57	72862	58	16	14	3	33	66	95	99	100	295	1694	97.9
74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63	72132	57	16	11	10	28	64.5	90	86	84	246	1555	89.9
74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43	71987	59	13	13	8	21	54.5	84	90	82	257	1593	92.1
72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66	74888	57	9	11	8	_16	43.5	72	70	87	258	1521	87.9
71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57	74523	56	10	14	14	30	67.5	86	84	94	290	1581	91.4
71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57         2         6         3         7         18         88         76         77         179         1445         83           70228         76	72308	61	8	10	13	25	56	86	81	89	251	1568	90.6
76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57         2         6         3         7         18         88         76         77         179         1445         83           70228         76         13         15         4         33         64.5         95         94         92         296         1645         95	71876	57	12	9	6	21	48	77	56	64	231	1362	78.7
71255     57     6     8     6     17     36.5     73     82     75     232     1507     87       71054     63     17     13     13     27     69.5     86     87     92     274     1619     93       70691     43     17     10     9     9     45     87     73     78     201     1451     83       73901     66     7     8     6     9     29.5     73     54     71     205     1435     82       71295     57     2     6     3     7     18     88     76     77     179     1445     83       70228     76     13     15     4     33     64.5     95     94     92     296     1645     95	71420	61	9	12	3	22	46	77	79	77	221	1481	85.6
71054     63     17     13     13     27     69.5     86     87     92     274     1619     93       70691     43     17     10     9     9     45     87     73     78     201     1451     83       73901     66     7     8     6     9     29.5     73     54     71     205     1435     82       71295     57     2     6     3     7     18     88     76     77     179     1445     83       70228     76     13     15     4     33     64.5     95     94     92     296     1645     95	76216	56	7	12	6	17	41.5	81	77	91	257	1542	89.1
70691     43     17     10     9     9     45     87     73     78     201     1451     83       73901     66     7     8     6     9     29.5     73     54     71     205     1435     82       71295     57     2     6     3     7     18     88     76     77     179     1445     83       70228     76     13     15     4     33     64.5     95     94     92     296     1645     95	71255	57	6	8	6	. 17	36.5	73	82	75	232	1507	87.1
73901     66     7     8     6     9     29.5     73     54     71     205     1435     82       71295     57     2     6     3     7     18     88     76     77     179     1445     83       70228     76     13     15     4     33     64.5     95     94     92     296     1645     95	71054	63	17	13	13	27	69:5	86	87	92	274	1619	93.6
71295 57 2 6 3 7 18 88 76 77 179 1445 83 70228 76 13 15 4 33 64.5 95 94 92 296 1645 95	70691	43	17	10	9	9	45	87	73	78	201	1,451	83.9
70228 76 13 15 4 33 64.5 95 94 92 296 1645 95	73901	66	7	8	6	9	29.5	73	54	. 71	205	1435	82.9
	71295	57	2	6	3	. 7	18	88	76	77	179	1445	83.5
73195 60 9 12 8 9 38 82 73 78 204 1435 82	70228	76	13	15	4	33	64.5	95	94	92	296	1645	95.1
75.05 55 5 12 5 5 50 52 75 70 204 1450 62	73195	60	9	12	8	9	38	82	73	78	204	1435	82.9
71341 72 7 12 3 27 49 72 78 86 251 1527 88	71341	72	7	12	_3	27	49	72	78	86	251	1527	88.3
75089 75 9 10 7 23 48.5 84 72 98 262 1593 92	75089	75	9	10	7	23	48.5	84	72	98	262	1593	92.1

						-1	<sub>1</sub>	$\neg \neg$		Т		
72771	58	_ 3	_ 9	5	15	32	88	83	92	254	1600	92.5
72477	49	3	10	6	14	33	81	88	88	258	1601	92.5
71977	72	5	9	6	18	37.5	56	59	51	158	1210	69.9
71061	58	4	11	6	22	43	57	73	71	212	1381	79.8
72347	59	7	13	6	19	45	84	79	96	294	1585	91.6
72547	78	10	13	_4	21	47.5	68	89	85	232	1503	86.9
70676	70	18	12	4	27	61	83	88	90	260	1542	89.1
76271	62	10	12	9	29	60	92	89	96	270	1647	95.2
71946	56	7	9	8	15	38.5	89	64	83	228	1522	0.88
75836	57	5	12	4	24	44.5	72	90	88	250	1520	87.9
72500	68	8	10	5	28	50.5	66	59	60	253	1416	81.8
75418	60	5	10	4	21	40	56	54	66	196	1319	76.2
71218	55	7	7	_ 2	. 9	24.5	66	52	63	191	1246	72.0
81813	51	1,9	7	_ 9	11	45.5	92	56	60	198	1267	73.2
71183	57	5	8	13	12	37.5	67	76	80	222	1489	86.1
70825	66	7	13	3	25	48	69	68	89	235	1425	82.4
70601	53	14	18	13	25	69.5	92	95	95	287	1666	96.3
70416	85	1.7	15	15	33	79.5	88	85	87	293	1641	94.9
75171	54	8	8	10	23	48.5	77	80	66	242	1460	84.4
73264	56	13	8	5	15	40.5	66	51	52	204	1201	69.4
70943	68	8	12	2	33	55	74	95	94	287	1639	94.7
74474	58	7	11	7	28	52.5	83	94	99	281	1658	95.8
72802	57	1.4	16	7	25	61.5	93	95	98	283	1649	95.3
72136	84	17	19	17	39	92	95	96	89	291	1665	96.2
71545	52	18	14	7	29	67.5	99	92	100	279	1674	96.8
70552	31	7	9	2	12	30	74	60	64	219	1399	80.9
72636	59	7	9	5	19	40	58	61	61	232	1424	82.3
71815	67	19	8	8	14	48.5	75	50	58	190	1227	70.9
72080	43	7	7	8	16	37.5	71	52	61	190	1242	71.8
70796	73	13	18	. 7	34	71.5	75	94	93	281	1593	92.1
71062	50	9	12	4	22	46.5	-83	83	69	268	1538	88.9
70240	49	14	8	7	26	55	75	58	70	256	1421	82.1
72383	75	18	13	5	35	71	98	95	98	278	1666	96.3
71648	59			7	25					267	1517	87.7
70818	65	12	12	6	18	48	80	68	. 70		1444	83.5
73335	61	15	12	. 7	24	58	92	85	92	277	1625	93.9
71911	57			10				76	79	261	1543	
76491	66		_			i						
71367	63					· · · · · · · · · · · · · · · · · · ·	<del>                                     </del>				<u> </u>	
76527	66		_		36							
73282	-59											
70945												
74629					I	· ·					<del></del>	
72734								<b></b>				
12/34	00		10			∠3.5		/9	1. /./		1498	0.00

74379         57         10         12         13         14         49         89         85         87         242         15           70693         63         8         11         10         31         59.5         90         95         98         296         16           75874         62         6         11         8         18         42.5         73         55         58         241         13           72014         69         13         13         5         20         50.5         89         81         86         250         15           70456         61         18         13         3         30         64         89         81         87         259         15	77 96.9 57 78.4 08 87.2
70693     63     8     11     10     31     59.5     90     95     98     296     16       75874     62     6     11     8     18     42.5     73     55     58     241     13       72014     69     13     13     5     20     50.5     89     81     86     250     15       70456     61     18     13     3     30     64     89     81     87     259     15	77 96.9 57 78.4 08 87.2
75874         62         6         11         8         18         42.5         73         55         58         241         13           72014         69         13         13         5         20         50.5         89         81         86         250         15           70456         61         18         13         3         30         64         89         81         87         259         15	57 78.4 08 87.2
72014 69 13 13 5 20 50.5 89 81 86 250 15 70456 61 18 13 3 30 64 89 81 87 259 15	08 87.2
70456 61 18 13 3 30 64 89 81 87 259 15	
	36 88.8
7/511 61 17 11 0 18 5/5 05 6/ 7/ 000 1/4	
74511 61 17 11 9 18 54.5 95 64 74 230 14	15 81.8
73399 82 19 11 5 30 65 96 93 90 276 16	07 92.9
70776 69 8 11 2 30 51 93 98 100 290 16	73 96.7
72058 55 11 12 6 28 56.5 88 92 94 291 16	61 96.0
71615 52 8 12 8 28 55.5 86 98 97 283 16	18 93.5
73552 62 7 6 5 15 33 59 61 53 166 12	28 71.0
75066 57 6 10 4 25 44.5 62 85 81 282 15	21 87.9
74464 66 8 10 5 23 45.5 78 61 87 244 15	14 87.5
70758 64 6 14 5 34 58.5 76 95 95 270 16	17 93.5
70455 51 19 13 10 20 61.5 93 81 91 262 15	63 90.3
73887 53 4 12 11 25 51.5 63 67 90 247 15	11 87.3
75517 68 13 10 10 17 49.5 94 92 95 264 16	41 94.9
74456 58 6 8 5 11 29.5 83 77 75 254 15	70 90.8
72674 55 12 12 11 24 58.5 93 91 95 277 16	36 94.6
71256 63 8 14 5 26 52.5 71 82 81 254 14	46 83.6
74393 58 19 16 4 33 71.5 94 88 95 289 16	45 95.1
74046 54 8 10 5 20 42.5 80 72 90 282 15	60 90.2
74558 50 5 9 5 16 34.5 79 91 95 264 15	33 88.6
72894 57 11 13 6 24 54 92 93 94 264 16	23 93.8
71651 81 11 17 17 37 81.5 69 88 90 267 15	41 89.1
71565 59 8 7 6 13 33.5 58 50 61 207 12	41 71.7
70333 54 12 10 4 20 45.5 85 85 97 254 15	98 92.4
72237 72 8 11 5 26 50 80 72 74 250 14	46 83.6
72103 63 17 13 11 28 68.5 95 92 96 279 16	55 95.7
72208 56 5 11 9 25 49.5 85 93 91 267 16	21 93.7
75585 74 12 11 3 27 52.5 75 89 84 246 14	97 86.5
72345 70 11 18 12 29 70 77 79 80 251 15	08 87.2
75720 59 6 11 3 16 36 72 74 72 219 14	57 84.2
70468 53 19 12 5 32 67.5 97 84 96 289 15	94 92.1
75166 60 3 10 5 13 31 67 61 77 187 13	70 79.2
74450 63 16 10 3 17 45.5 87 83 87 251 15	80 91.3
76613 59 5 11 7 12 34.5 69 53 52 172 12	29 71.0
70069 48 9 8 10 20 47 92 94 91 282 16	33 94.4
	72 90.9
	29 88.4
	36 88.8
	85 91.6
	40 77.5

$\overline{}$												
70369	79	15	18	3	35	71	97	98	98	_297	1703	98.4
72528	73	10	14	6	25	55	82	81	87	282	1589	91.8
72046	50	3	5	2	20	29.5	65	69	80	271	1383	79.9
72810	51	8	9	8	22	47	89	90	95	216	1564	90.4
71360	65	10	13	. 4	28	55	81	91	90	283	1611	93.1
71406	72	10	13	_ 6	28	56.5	58	60	65	223	1366	79.0
74953	49	3	_ 9	5	15	32	89	66	91	251	1493	86.3
82031	46	5	12	2	8	26.5	69	65	80	213		82.0
72211	68	_11	9	5	28	53	85	73	91	270	1569	90.7
74696	62	_ 17	12	5	18	52	89	94	96	255	1607	92.9
70559	50	19	11	5	24	59	96	82	94	273	1605	92.8
72439	60	6	9	2	27	44	75	84	97	288	1635	94.5
73439	78	11	13	6	29	58.5	89	90	96	263	1647	95.2
72094	84	20	17	3	40	79.5	96	99	100	300	1698	98.2
71245	43	9	8	4	17	38	85	87	96	266	1562	90.3
74974	64	19	11	4	20	53.5	95	87	93	253	1596	92.3
74015	62	3	14	5	28	49.5	63	86	91	275	1554	89.8
76440	75	17	17	7	30	71	_ 94	95	91	276	1600	92.5
70858	70	16	8	4	21	48.5	89	85	84	243	1569	90.7
74271	69	8	16	3	31	57.5	84	82	89	288	1550	89.6
72577	59	11	9	5	20	44.5	69	68	65	190	1304	75.4
76280	79	18	16	6	28	67.5	91	83	89	258	1528	88.3
70672	59	7	13	7	16	42.5	58	68	66	195	1347	77.9
46071	58	7	15	5	29	55.5	88	97	95	297	1653	95.5
80643	63	6	7	9	16	38	_80	. 77	. 88	277	1565	90.5
72757	67	6	11	5	28	49.5	75	86	92	391	1619	93.6
76230	53	5	10	4	27	45.5	81	81	80	245	1546	89.4
72445	81			1	1	2	80	82	75			80.0
70663	57	5	12	1	11	29	64	59	63	172	1290	74.6
74548	70	15	13	4	13	45	92	79	75	254	1519	87.8
72268	65	9	9	14	26	58	76	84	89	265	1557	90.0
71950	57	6	8	8	19	40.5	74	73	79	233	1505	87.0
88382	40	8	5	3	15	31	69	73	91	228	1498	86.6
75131	53	15	16	6	27	64	88	84	82	267	1536	88.8
72025	54	6	8	8	21	43	76	90	84	269	1568	90.6
72265	66	12	10	4	15	40.5	70	76	86	220	1386	80.1
70171	_75	9	14	7	23	53	74	60	69	176	1345	_77.7
74603	70	5	17	17	26	64.5	75	78	80	249	1408	81.4
73842	65	6	8	6	27	46.5	83	88	95	293	1633	94.4
75466	62	7	11	4	15	36.5	85	86	78	271	1568	90.6
75370	53	12	9	6	13	39.5	90	80	89	245	1559	90.1
73539	71	13	6	5	19	43	78	73	74	206	1447	83.6
70400	63	7	9	6	18	39.5	66	57	60	241	1280	74.0
72318	57	18	12	6	28	64	94	92	96	279	1650	95.4

70317         59         6         11         4         15         35.5         62         71         66         200         1355           70773         60         9         6         7         16         38         62         57         54         201         1305           73451         66         8         9         3         20         40         72         83         94         266         1578           71592         69         14         13         14         16         56.5         87         87         99         225         1576           71597         61         12         9         2         17         39.5         71         81         92         251         1558           70926         75         12         11         6         21         49.5         96         93         88         283         1650	78.3
73451     66     8     9     3     20     40     72     83     94     266     1578       71592     69     14     13     14     16     56.5     87     87     99     225     1576       71597     61     12     9     2     17     39.5     71     81     92     251     1558       70926     75     12     11     6     21     49.5     96     93     88     283     1650	
71592     69     14     13     14     16     56.5     87     87     99     225     1576       71597     61     12     9     2     17     39.5     71     81     92     251     1558       70926     75     12     11     6     21     49.5     96     93     88     283     1650	75.4
71597 61 12 9 2 17 39.5 71 81 92 251 1558 70926 75 12 11 6 21 49.5 96 93 88 283 1650	91.2
70926 75 12 11 6 21 49.5 96 93 88 283 1650	91.1
	90.1
	95.4
71498 66 8 11 11 18 47.5 82 80 80 266 1549	89.5
71466 78 9 14 11 25 58.5 78 83 75 263 1546	89.4
74239 64 9 12 4 14 38.5 83 84 93 269 1609	93.0
76481 51 13 10 7 19 48.5 91 90 95 249 1621	93.7
76540 61 9 14 12 30 64.5 88 89 100 274 1659	95.9
75718 55 5 6 5 10 26 55 83 72 211 1423	82.3
73429 64 8 8 9 22 46.5 61 75 72 251 1411	81.6
70593 69 8 8 7 31 54 80 71 83 246 1483	85.7
72502 52 6 13 5 28 52 75 86 95 290 1588	91.8
72194 57 6 6 2 21 34.5 80 84 78 232 1532	88.6
72218 77 11 9 13 21 53.5 86 84 97 243 1601	92.5
70218 77 12 8 7 25 51.5 95 83 94 274 1596	92.3
73428 68 14 10 13 26 62.5 93 85 91 232 1568	90.6
71411 66 5 11 5 15 35.5 90 62 69 253 1446	83.6
72005 56 7 11 6 19 42.5 79 85 94 225 1535	88.7
71495 77 15 13 6 27 61 94 84 86 253 1573	90.9
71149 60 4 9 4 23 40 64 85 94 261 1538	88.9
72671 78 6 17 17 27 66.5 75 88 94 272 1550	89.6
71009 57 10 13 8 23 53.5 84 77 67 222 1362	78.7
70248 66 10 12 7 29 58 85 87 74 266 1537	88.8
73764 63 6 14 6 20 46 59 79 92 205 1467	84.8
73645 53 5 8 3 18 34 72 76 82 232 1430	82.7
70052 75 17 15 5 31 68 92 87 97 280 1649	95.3
73084 64 10 12 7 24 53 83 88 90 282 1557	90.0
	93.6
71821 65 12 8 8 26 54 91 90 89 276 1619	82.0
71821         65         12         8         8         26         54         91         90         89         276         1619           71719         62         5         6         3         19         33         59         71         67         238         1418	87.8
	1
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626	94.0
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519	94.0 92.8
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626	
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605	92.8
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605           74942         66         9         10         3         32         53.5         90         95         97         282         1669	92.8 96.5
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605           74942         66         9         10         3         32         53.5         90         95         97         282         1669           73610         57         10         16         4         16         45.5         81         85         87         262         1546	92.8 96.5 89.4 96.0
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605           74942         66         9         10         3         32         53.5         90         95         97         282         1669           73610         57         10         16         4         16         45.5         81         85         87         262         1546           71749         66         7         15         16         38         76         92         93         99         297         1661	92.8 96.5 89.4
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605           74942         66         9         10         3         32         53.5         90         95         97         282         1669           73610         57         10         16         4         16         45.5         81         85         87         262         1546           71749         66         7         15         16         38         76         92         93         99         297         1661           70471         69         16         12         12         26         65.5         90         82	92.8 96.5 89.4 96.0 94.2
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605           74942         66         9         10         3         32         53.5         90         95         97         282         1669           73610         57         10         16         4         16         45.5         81         85         87         262         1546           71749         66         7         15         16         38         76         92         93         99         297         1661           70471         69         16         12         12         26         65.5         90         82         96	92.8 96.5 89.4 96.0 94.2 90.2
71719         62         5         6         3         19         33         59         71         67         238         1418           71543         54         8         8         8         16         39.5         86         85         84         217         1519           70229         76         18         15         7         37         76.5         94         98         87         285         1626           71486         63         8         12         4         29         53         85         84         89         267         1605           74942         66         9         10         3         32         53.5         90         95         97         282         1669           73610         57         10         16         4         16         45.5         81         85         87         262         1546           71749         66         7         15         16         38         76         92         93         99         297         1661           70471         69         16         12         12         26         65.5         90         82	92.8 96.5 89.4 96.0 94.2 90.2 85.7

		-	—-г	<del>-</del>								
70503	57	6	11	3	13	32.5	88	61	74	202	1461	84.5
70191	60	7	_10	3	18	37.5	76	81	91	251	1575	91.0
71031	55	11	14	2	29	56	82	87	89	257	1552	89.7
76044	83	16	13	6	31	65.5	83	80	81	245	1435	82.9
70281	61	4	9	4	14	31	73	51	53	217	1330	76.9
73126	56	12	12	12	27	63	95	95	97	261	1653	95.5
70356	57	_15	11	6	21	52.5	85	86	87	271	1593	92.1
71730	60	6	7	3	29	44.5	86	83	97	289	1629	94.2
76310	69	15	12	13	25	64.5	85	78	81	251	1555	89.9
76075	61	10	14	10	32	65.5	88	84	92	280	1607	92.9
72504	81	14	12	4	32	61.5	90	91	100	288	1668	96.4
74826	57	4	12	5	22	43	61	52	66	207	1341	77.5
71447	57	6	8	4	22	40	79	69	83	240	1500	86.7
70323	57	9	10	12	21	52	87	80	78	249	1493	86.3
73364	63	6	9	5	12	32	71	58	60	206	1413	81.7
74770	62	12	12	6	19	49	81	86	82	286	1599	92.4
70821	69	14	17	6	32	68.5	96	95	99	294	1696	98.0
72493	81	17	13	_ 2	34	65.5	87	91	90	296	1669	96.5
75299	57	5	7	4	_12	27.5	63	63	76	220	1370	79.2
75443	61	9	7	11	24	51	70	78	78	259	1532	88.6
73260	75	19	15	3	16	52.5	93	65	75	218	1474	85.2
72779	79	18	16	11	35	80	94	97	94	273	1659	95.9
75521	55	4	_12	1	14	30.5	69	52	57	187	1349	78.0
73749	66	6	9	5	25	44.5	81	77	94	282	1614	93.3
70178	65	5	13	15	29	62	67	72	81	260	1463	84.6
76206	70	19	13	3	28	63	98	86	98	296	1683	97.3
75510	63	5	7	5	11	27.5	77	81	87	247	1546	89.4
73235	61	5	13	4	22	44	70	86	95	266	1551	89.7
72351	67	14	10	6	28	58	93	94	96	291	1674	96.8
76556	63	7	11	10	23	51	87	86	84	279	1625	93.9
75041	81	15	14	8	33	69.5	91	93	94	267	1611	93.1
74229	60	14	15	8	30	67	99	98	99	300	1709	98.8
73405	73	18	14	6	30	67.5	97	92	99	300	1678	97.0
74677	56	3	10	6	14	33	62	69	79	214	1390	80.3
71443	74	11	13	3	25	52	80	89	91	269	1594	92.1
70043	63	8	12	5	14	38.5	87	75	65	229	1516	87.6
74583	61	11	10	5	13	39	74	62	60	199	1396	80.7
73401	70	5	10	6	17	38	69	71	67	208	1450	83.8
75654	63	4	11	9	16	39.5	61	59	65	193	1276	73.8
75393	58	15	8	6	27	55.5	91	91	80	262	1594	92.1
70647	71	13	15	16	32	76	95	96	97	286	1683	97.3
75165	57	8	9	6	17	39.5	80	75	65	246	1473	85.1
. 1	- 00	140	18	6	34	74	86	97	100	281	1631	94.3
72283	86	16	10	- 6			- 00	3,	100	201	1001	37.9

										- 1	<del></del>	
75415	69	15	10	12	27	63.5	92	85	96	267	1621	93.7
71156	54	17	12	_ 6	29	64	85	79	87	249	1502	86.8
71647	72	15	11	9	19	54	85	82	85	166	1463	84.6
75060	57	. 7	10	8	23	47.5	87	59	82	241	1435	82.9
72171	44	11	9	. 2	19	41	90	76	85	252	1492	86.2
75335	59	6	11	7	32	55.5	78	80	85	241	1524	88.1
70605	55	16	10	6	15	46.5	82	69	70	210	1489	86.1
76144	45	9	8	5	11	32.5	80	71	89	242	1552	89.7
76232	64	7	12	4	15	37.5	61	76	87	219	1457	84.2
72693	81	19	13	4	26	62	90	88	92	226	1545	89.3
75184	62	8	13	12	21	54	90	75	93	261	1607	92.9
73162	44	6	14	6	19	45	80	83	90	265	1562	90.3
70801	57	. 8	9	12	21	50	78	82	77	266	1533	88.6
73198	69	18	14	6	35	72.5	95	98	95	290	1671	96.6
70615	72	17	16	8	35	75.5	86	91	96	291	1628	94.1
74742	66	9	13	2	34	58	92	93	99	276	1637	94.6
72366	66	13	14	11	26	63.5	94	84	79	258	1533	88.6
72519	49	9	19	5	32	65	87	87	90	270	1615	93.4
72128	63	8	10	8	13	39	73	77	71	241	1439	83.2
74951	76	19	17	17	25	78	96	95	94	292	1663	96.1
74607	78	12	16	5	28	60.5	98	98	99	295	1713	99.0
46711	56	7	15	12	24	58	68	84	80	257	1514	87.5
72581	69	. 6	8	- 11	16	40.5	68	77	81	213	1455	84.1
72291	64	10	, 9	5	21	45	78	73	69	249	1485	85.8
72864	55	7	11	6	18	41.5	72	69	77	235	1486	85.9
76253	67	12	13	5	29	58.5	85	92	93	276	1605	92.8
73031	58	11	7	10	14	42	85	66	80	220	1449	83.8
74718	56	5	12	7	29	. 53	.69	78	79	285	1521	87.9
73346	66	10	14	4	17	44.5	76	- 77	83	236	1546	89.4
71497	72	-17	12	6	25	59.5	- 96	87	91	287	1659	95.9
73302	64	18	9	11	15	53	87	57	58	208	1330	76.9
72759	62	5	17	7	25	54	83	94	96	281	1648	95.3
72742	56	9	8	5	12	34	93	86	86	225	1513	87.5
73811	71	9	15	4		59	83	92	96	293	1665	96.2
73542	57	7	9	5	18	39	80	90	97	274	1555	89.9
70342				.5	20			93			1625	
71590	l .			6	27					270	1586	
75626				6	31	55		82		257	1594	
74721	66			6	21	52				1972.12	1488	
71572				4	29						1569	
70477		1		4							1623	
70242								-		ļ		
72659				3			T-	1	1		1543	
	·											
72673	72	19	12	6	30	67	94	86	87	284	1574	91.

							- 1	- ,				
71645	67	11	4	2	10	27	87	73	79	201	1422	82.2
72474	77	5	10	5	19	39	78	88	86	264	1576	91.1
72406	46	11	6	2	17	35.5	72	58	72	202	1300	75.1
73774	59	6	11	7	17	40.5	84	76	71	194	1424	82.3
75325	56	10	10	9	22	50.5	70	60	52	252	1347	77.9
73044	66	4	11	10	25	50	72	87	91	281	1608	92.9
75912	53	4	9	1	17	30.5	78	69	89	248	1459	84.3
70722	71	15	14	5	26	59.5	95	91	95	290	1659	95.9
92562	73	4	12	6	12	33.5	73	63	72	_203	1363	78.8
71537	57	6	11	6	21	44	84	88	98	272	1623	93.8
75138	57	4	11	8	22	44.5	60	60	87	253	1437	83.1
72117	64	13	9	_ 7	_23	52	90	86	96	_259	1619	93.6
74462	55	8	11	2	14	34.5	81	73	79	197	1370	79.2
76104	59	10	8	8	16	41.5	91	50	75	203	1380	79.8
72324	81	19	17	7	33	76	96	95	98	293	1666	96.3
70201	89	14	18	4	28	63.5	72	81	84	252	1511	87.3
70121	64	5	7	2	20	33.5	62	59	69	235	1350	78.0
76024	58	_4	12	_ 7	22	45	73	56	78	236	1434	82.9
75690	45	6	9	_ 2	8	25	61	62	73	180	1325	76.6
72710	57	5	11	5	15	36	79	90	97	268	1622	93.8
72315	55	11	13	8	24	56	88	67	77	234	1494	86.4
75689	57	7	11	10	20	48	50	68	74	243	_1453	84.0
74896	76	15	12	6	27	59.5	88	85	89	261	1547	89.4
72138	61	6	12	3	33	54	77	77	89	257	1499	86.6
70334	62	10	12	10	24	55.5	88	93	100	282	1670	96.5
70770	55	6	12	4	16	38						81.3
76277	67	7	10	3	27	47	67	74	77	237	1424	82.3
73299	56	7	6	7	19	38.5	75	61	64	257	1396	80.7
71662	59	6	12	7	11	35.5	83	79	80	234	1530	88.4
70259	51	4	9	8	21	42	64	85	88	230	1469	84.9
71736	59	8	8	4	20	39.5	82	73	81	238	1465	84.7
75627	66	4	8	6	15	32.5	50	50	50	173	1224	70.8
73692	57	5	11	2	16	34	64	72	79	220	1461	84.5
76551	59	6	10	6	13	35	82	76	79	257	1547	89.4
71258	57	_17	16	8	31	72	98	96	100	291	1652	95.5
72882	57	10	12	12	29	63	92	92	96	296	1675	96.8
75650	73	16	16	6	29	67	89	77	92	275	1586	91.7
75241	60	7	7	5	9	28	88	86	89	257	1599	92.4
73505	51	18	12	8	19	57	89	80	86	250	1506	87.1
47904	56	10	13	11	22	55.5	87	87	86	274	1585	91.6
74457	67	7	10	5	25	46.5	87	87	97	287	1625	93.9
73642	69	17	11	4	17	48.5	89	76	86	260	1562	90.3
75040	53	15	15	6	31	67	95	92	94	272	1636	94.6
71566	45	7	6	4	13	29.5	56	56	59	224	1298	75.0

73177	54	11	15	5	24	54.5	80	75	93	258	1562	90.3
73371	66	16	15	8	25	64	92	90	95	278	1605	92.8
70260	60	8	10	6	20	44	71	61	70	248	1419	82.0
72164	49	8	7	3	11	28.5	58	50	60	176	1299	75.1
71705	78	17	15	4	33	69	96	96	91	295	1647	95.2
75469	57	8	10	8	20	45.5	81	60	77	222	1469	84.9
72045	61	6	10	8	23	46.5	75	66	75	284	1548	89.5
74751	68	11	11	2	29	52.5	86	70	82	249	1506	87.1
70160	78	6	13	5	19	43	72	58	65	192	1305	75.4
72365	55	6	9	_ 7	19	40.5	63	72	86	222	1397	80.8
70158	70	17	12	5	22	56	93	69	76	231	1485	85.8
75614	63	10	9	3	16	37.5	77	65	64	197	1365	78.9
71922	61	3	7	5	13	28	59	51	56	203	1283	74.2
47578	38	6	7	4	11	27.5	98	93	88	282	1662	96.1
74775	68	6	13	5	11	34.5	63	59	66	182	1337	77.3
72378	57	6	14	10	29	58.5	72	66	89	252	1412	81.6
74494	69	12	15	_ 5	37	68.5	89	93	98	297	1663	96.1
70539	69	17	16	6	32	70.5	87	88	95	273	1593	92.1
72076	46	6	5	3	15	28.5	67	71	73	271	1473	85.1
72843	60	10	11	_10	20	50.5	91	93	97	278	1651	95.4
72513	56	8	7	5	11	30.5	78	86	82	207	1491	86.2
71490	65	14	11	8	24	56.5	94	94	91	265	1636	94.6
74299	57	7	5	10	12	34	66	53	51	160	1243	71.8
74469	58	4	7	9	7	27	65	57	58	187	1279	73.9
73227	55	3	9	3	21	36	72	78	72	208	1482	85.7
70382	63	8	13	3	_30	54	83	88	90	293	1545	89.3
70124	60	7	9	7	18	41	91	94	94	294	1660	96.0
73320	57	11	12	7	19	49	64	69	54	210	1397	80.8
72030	57	8	7	6	14	35	83	78	78	247	1515	87.6
70341	61	8	13	4	30	54.5	76	66	71	268	<u>14</u> 87	86.0
72664	66	19	15	14	_38	86	95	92	95	294	1594	92.1
76083	79	19	13	9	_21	61.5	.93	89	95	271	1624	93.9
72644	59	8	10	4	20	41.5	72	75	77	225	1448	83.7
70923	66	18		4	21	46.5	86	61	60	212	1376	79.5
70837	58			-	13			72	85	204	1488	86.0
70433	50	_ 4	7	3	_ 23	36.5	80	66	58	270	1465	84.7
72711	44	7		6	25	_50.5	94	98	99	255	1630	94.2
71504	63	14	12	8	20	53.5	84	71	65	240	1409	81.4
70438	60	11		9	28	59	84	90	96	269	1619	93.6
72407	60	7	9	5	14	34.5	85	90	81	212	1532	
72015		13	14		31	65	92	93	95	289	1660	96.0
73808	63	6	9	6	32	52.5	68	66	71	266	1499	86.6
72903	63	6	9	3	21	39	83	88	96	269	1604	92.7
71050	57	10	10	4	15	38.5	85	91	95	271	1552	89.7

<del> </del>												
71772	60	8	14	9	30	60.5	77	87	100	290	1661	96.0
71100	58	4	7	8	16	34.5	56	51	61	189	1299	75.1
70703	60	6	7	5	26	43.5	83	81	92	270	1591	92.0
75688	57	9	14	4	24	50.5	69	75	69	211	1413	81.7
70151	55	8	10	10	20	48	87	86	92	255	1574	91.0
75282	51	5	5	7	24	40.5	84	85	93	247	1603	92.7
75860	78	15	14	19	33	80.5	99	97	100	300	1669	96.5
74502	77	15	15	8	37	75	97	98	100	297	1702	98.4
73096	58	9	11	5	25	50	86	92	90	283	1600	92.5
71912	57	17	8	5	15	45	87	83	90	242	1478	85.4
73000	60	7	12	5	20	43.5	89	78	91	219	1476	85.3
76040	73	_17	5	3	11	35.5	94	89	78	270	1493	86.3
72199	40	16	15	7	20	58	84	60	71	229	1278	73.9
73197	63	13	9	6	_16	43.5	78	54	62	168	1305	75.4
73746	72	_11	19	6	37	73	83	90	94	293	1627	94.0
72592	49	7	8	3	_13	30.5	81	80	78	256	1533	88.6
74257	58	13	12	3	27	55	78	78	91	264	1524	88.1
71129	46	5	_13	7	20	45	78	87	81	251	1556	89.9
70359	65	6	14	5	22	47	83	93	93	295	1626	94.0
72618	69	12	14	10	36	72	93	84	94	282	1608	92.9
70692	75	16	15	7	19	57	93	93	95	285	1679	97.1
71908	57	4	11	11	27	53	74	76	92	271	1573	90.9
74636	57	6	10	4	22	42	85	82	86	224	1511	87.3
72590	73	20	12	_ 9	28	68.5	94	84	74	_268	1566	90.5
74289	66	5	12	_7	_30	53.5	78	93	97	292	1604	92.7
72201	72	19	19	6	37	80.5	100	98	99	300	1718	99.3
71863	82	18	19	6	37	80	96	96	98	296	1686	97.5
72753	61	15	13	3	_13	44	90	57	70	165	1397	80.8
70176	62	11	13	4	31	58.5	79	97	89	266	1606	92.8
75217	70	7	12	8	23	49.5	59	5	52	222	1338	77.3
73924	40	4	3	_2	9	18	. 77	55	69	204	1346	77.8
73904	66	6	8	6	11	31	53	69	60	239	1445	83.5
72573	61	6	9	6	17	38	78	67	65	233	1399	80.9
73933	61	9	11	6	19	44.5	76	73	78	211	1463	84.6
73738	58	9	15	_11	30	65	73	80	93	248	1529	88.4
74959	60	6	7	9	16	37.5	86	78	77	238	1485	85.8
73547	57	15	9	5	14	43	81	55	59	166	1217	70.3
75358	80	7	16	5	31	59	70	90	96	278	1617	93.5
72473	60	6	13	4	29	52	77	79	92	287	1621	93.7
71918	54	9	6	8	19	42	78	79	92	244	1556	89.9
72090	66	14	16	9	31	70	91	97	98	288	1669	96.5
71263	64	14	12	14	27	67	95	77	78	224	1522	88.0
74545	66	20	12	6	31	68.5	89	79	86	241	1470	85.0
72209	. 55	19	13	3	19	54	93	98	91	284	1634	94.5

74614         49         11         16         3         34         64         74         82         87         290         1551         89           71452         43         9         7         9         15         40         82         87         81         271         1583         91.8           71468         53         12         13         10         23         58         89         65         84         233         1546         89.           72915         68         6         14         3         16         38.5         52         53         58         208         1295         74.           74771         66         5         9         6         12         32         66         79         80         199         1483         85           72390         78         17         20         14         38         89         93         97         98         299         1697         98           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.           71395         70
71468         53         12         13         10         23         58         89         65         84         233         1546         89.           72915         68         6         14         3         16         38.5         52         53         58         208         1295         74.           74771         66         5         9         6         12         32         66         79         80         199         1483         85.           72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.           73390         78         17         20         14         38         89         93         97         98         299         1697         98.           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.1           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362 <t< td=""></t<>
72915         68         6         14         3         16         38.5         52         53         58         208         1295         74.           74771         66         5         9         6         12         32         66         79         80         199         1483         85.           72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.           73390         78         17         20         14         38         89         93         97         98         299         1697         98.           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.1           71395         70         5         13         3         27         48         71         87         90         276         1482         85.           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362
74771         66         5         9         6         12         32         66         79         80         199         1483         85.           72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.           73390         78         17         20         14         38         89         93         97         98         299         1697         98.           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.           71395         70         5         13         3         27         48         71         87         90         276         1482         85.           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.           70129         63
72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.           73390         78         17         20         14         38         89         93         97         98         299         1697         98.           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.1           71395         70         5         13         3         27         48         71         87         90         276         1482         85.           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.           70129         53         7         7         9         16         39         74         67         86         218         1421         82.           70279         6
73390         78         17         20         14         38         89         93         97         98         299         1697         98           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.1           71395         70         5         13         3         27         48         71         87         90         276         1482         85.1           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.           70129         53         7         7         9         16         39         74         67         86         218         1421         82.           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.           70279         63<
75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.           71395         70         5         13         3         27         48         71         87         90         276         1482         85.           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.           70129         53         7         7         9         16         39         74         67         86         218         1421         82.           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.           70279         63         12         10         13         29         64         92         88         90         278         1618         93.           76526         61 </td
71395         70         5         13         3         27         48         71         87         90         276         1482         85           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84           70129         53         7         7         9         16         39         74         67         86         218         1421         82           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.           70279         63         12         10         13         29         64         92         88         90         278         1618         93.           71325         66         10         12         5         27         54         77         64         64         228         1359         78.           71235         77
74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.           70129         53         7         7         9         16         39         74         67         86         218         1421         82.           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.           70279         63         12         10         13         29         64         92         88         90         278         1618         93.           71325         66         10         12         5         27         54         77         64         64         228         1359         78.           76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71235         77 </td
72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.           70129         53         7         7         9         16         39         74         67         86         218         1421         82.           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.           70279         63         12         10         13         29         64         92         88         90         278         1618         93.           71325         66         10         12         5         27         54         77         64         64         228         1359         78.           76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           73387         45
70129         53         7         7         9         16         39         74         67         86         218         1421         82.           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.1           70279         63         12         10         13         29         64         92         88         90         278         1618         93.           71325         66         10         12         5         27         54         77         64         64         228         1359         78.1           76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           73367         45
76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.1           70279         63         12         10         13         29         64         92         88         90         278         1618         93.           71325         66         10         12         5         27         54         77         64         64         228         1359         78.1           76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.1           71235         77         8         14         5         34         61         88         92         99         291         1632         94.1           73387         45         7         9         4         11         31         71         59         63         169         1326         76.1           73390         6
70279         63         12         10         13         29         64         92         88         90         278         1618         93.           71325         66         10         12         5         27         54         77         64         64         228         1359         78.           76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           73387         45         7         9         4         11         31         71         59         63         169         1326         76.           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62
71325         66         10         12         5         27         54         77         64         64         228         1359         78.1           76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           73387         45         7         9         4         11         31         71         59         63         169         1326         76.           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61 </td
76526         61         8         13         4         32         57         81         60         76         263         1410         81.           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           73387         45         7         9         4         11         31         71         59         63         169         1326         76.           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76054         58 </td
71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.1           71235         77         8         14         5         34         61         88         92         99         291         1632         94.           73387         45         7         9         4         11         31         71         59         63         169         1326         76.0           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705
71235         77         8         14         5         34         61         88         92         99         291         1632         94           73387         45         7         9         4         11         31         71         59         63         169         1326         76.           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76054         58         5         7         3         12         27         55         56         65         163         1312         75.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72
73387         45         7         9         4         11         31         71         59         63         169         1326         76.1           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76054         58         5         7         3         12         27         55         56         65         163         1312         75.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.           73553         6
73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76054         58         5         7         3         12         27         55         56         65         163         1312         75.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.           73553         65         17         14         4         30         65         86         81         81         265         1546         89.           70457
73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76054         58         5         7         3         12         27         55         56         65         163         1312         75.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.           73553         65         17         14         4         30         65         86         81         81         265         1546         89.           70457         69         19         11         4         30         64         91         80         89         287         1582         91.           72176
70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.           76054         58         5         7         3         12         27         55         56         65         163         1312         75.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.           73553         65         17         14         4         30         65         86         81         81         265         1546         89.           70457         69         19         11         4         30         64         91         80         89         287         1582         91.           72176         56         9         9         6         15         39         82         78         76         194         1315         76.           71729         56
76054         58         5         7         3         12         27         55         56         65         163         1312         75.           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.           73553         65         17         14         4         30         65         86         81         81         265         1546         89.           70457         69         19         11         4         30         64         91         80         89         287         1582         91.           72176         56         9         9         6         15         39         82         78         76         194         1315         76.           71729         56         6         9         5         17         37         91         88         94         266         1623         93.           70198         76
76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.           73553         65         17         14         4         30         65         86         81         81         265         1546         89.           70457         69         19         11         4         30         64         91         80         89         287         1582         91.           72176         56         9         9         6         15         39         82         78         76         194         1315         76.           71729         56         6         9         5         17         37         91         88         94         266         1623         93.           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.           70906         60 </td
72705         72         20         15         4         31         69.5         95         91         92         282         1639         94           73553         65         17         14         4         30         65         86         81         81         265         1546         89           70457         69         19         11         4         30         64         91         80         89         287         1582         91           72176         56         9         9         6         15         39         82         78         76         194         1315         76           71729         56         6         9         5         17         37         91         88         94         266         1623         93           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90           70906         60         1         9         4         18         32         71         79         79         218         1441         83           70497         66
73553         65         17         14         4         30         65         86         81         81         265         1546         89           70457         69         19         11         4         30         64         91         80         89         287         1582         91           72176         56         9         9         6         15         39         82         78         76         194         1315         76           71729         56         6         9         5         17         37         91         88         94         266         1623         93           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90           70906         60         1         9         4         18         32         71         79         79         218         1441         83           70497         66         7         13         11         21         52         72         57         77         193         1356         78           73099         51
70457         69         19         11         4         30         64         91         80         89         287         1582         91.           72176         56         9         9         6         15         39         82         78         76         194         1315         76.           71729         56         6         9         5         17         37         91         88         94         266         1623         93.           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.           70906         60         1         9         4         18         32         71         79         79         218         1441         83.           70497         66         7         13         11         21         52         72         57         77         193         1356         78.           73099         51         10         9         3         15         37         84         78         75         215         1483         85.           75845         59
72176         56         9         9         6         15         39         82         78         76         194         1315         76           71729         56         6         9         5         17         37         91         88         94         266         1623         93           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90           70906         60         1         9         4         18         32         71         79         79         218         1441         83           70497         66         7         13         11         21         52         72         57         77         193         1356         78           73099         51         10         9         3         15         37         84         78         75         215         1483         85           75845         59         7         9         10         17         43         77         84         94         193         1589         82
71729         56         6         9         5         17         37         91         88         94         266         1623         93.           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.           70906         60         1         9         4         18         32         71         79         79         218         1441         83.           70497         66         7         13         11         21         52         72         57         77         193         1356         78.           73099         51         10         9         3         15         37         84         78         75         215         1483         85.           75845         59         7         9         10         17         43         77         84         94         193         1589         82.
70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.           70906         60         1         9         4         18         32         71         79         79         218         1441         83.           70497         66         7         13         11         21         52         72         57         77         193         1356         78.           73099         51         10         9         3         15         37         84         78         75         215         1483         85.           75845         59         7         9         10         17         43         77         84         94         193         1589         82
70906         60         1         9         4         18         32         71         79         79         218         1441         83.           70497         66         7         13         11         21         52         72         57         77         193         1356         78.           73099         51         10         9         3         15         37         84         78         75         215         1483         85.           75845         59         7         9         10         17         43         77         84         94         193         1589         82.
70497     66     7     13     11     21     52     72     57     77     193     1356     78.       73099     51     10     9     3     15     37     84     78     75     215     1483     85.       75845     59     7     9     10     17     43     77     84     94     193     1589     82.
73099     51     10     9     3     15     37     84     78     75     215     1483     85       75845     59     7     9     10     17     43     77     84     94     193     1589     82
75845 59 7 9 10 17 43 77 84 94 193 1589 82.
75243 63 15 12 17 35 78.5 88 82 92 293 1617 93.
70208 57 15 5 5 14 38.5 74 78 65 193 1315 76.
74940 78 18 13 8 24 63 98 95 98 290 1684 97.
72612 78 19 15 17 32 82.5 91 90 95 289 1628 94.
73057 57 7 10 7 22 45.5 86 76 85 244 1556 89.
70699 68 14 18 16 33 81 92 94 98 288 1628 94.
71237 56 14 15 6 21 55.5 85 80 95 257 1569 90.
70241 60 15 9 4 10 37.5 71 55 55 150 1210 69.
70114 55 12 11 6 14 43 97 93 97 292 1668 96.
74281 72 15 13 17 32 77 95 96 98 294 1694 97.

72569 73581 72387 72178 72627	41 59 68	10 10	7	9	18	44	89	90	90	267	1572	90.9
72387 72178		10	10	- 1								
72178	68		10	6	11	37	87	64	85	229	1408	81.4
		11	13	5	17	46	82	85	75	220	1452	83:9
72627	62	15	10	3	10	37.5	92	73	85	205	1489	86.1
	55	16	9	9	19	52.5	67	80	60	262	1378	79.7
70528	75	16	17	6	24	62.5	89	67	89	244	1463	84.6
75579	58	3	4	3	17	27	56	73	69	262	1437	83.1
73006	55	10	9	. 3	21	42.5	70	73	·68	246	1426	82.4
72189	64	12	9	6	26	53	91	84	92	273	1602	92.6
75397	72	9	10	3	14	35.5	81	87	90	255	1569	90.7
74283	62	14	14	6	30	63.5	92	94	96	286	1655	95.7
75502	56	8	8	8	15	39	77	69	78	234	1497	86.5
48080	58	6	11	9	20	46	78	85	86	246	1548	89.5
76482	65	6	8	5	14	32.5	79	70	80	205	1417	81.9
75471	87	19	_18	5	32	74	91	87	93	280	1637	94.6
72686	65	10	11	8	27	56	87	78	83	272	1555	89.9
70305	58	18	11	4	11	43.5	90	64	80	237	1464	84.6
73203	60	9	14	3	21	47	82	85	89	258	1551	89.7
70602	60	17	14	6	34	71	97	99	98	295	1708	98.7
73902	55	7	10	9	26	51.5	76	69	84	257	1535	88.7
70155	81	19	. 16	12	31	77.5	95	86	84	286	1561	90.2
75899	86	19	18	7	36	80	100	94	98	299	1690	97.7
71158	60	12	6	6	10	34	82	88	80	245	1505	87.0
74690	54	18	7	5	24	53.5	84	83	87	265	1462	84.5
74439	55	. 5	9	12	25	51	81	67	78	266	1469	84.9
71114	42	14	10	5	29	57.5	91	89	95	278	1647	95.2
71840	57	6	14	3	16	38.5	92	94	90	268	1631	94.3
73378	54	11	10	7	23	50.5	86	81	96	270	1606	92.8
73629	58	2	7	5	17	31	68	84	82	236	1521	87.9
76250	61	- 3	10	-5	15	32.5	68	68	79	177	1403	81.1
74638	62	6	10	. 7	22	44.5	85	88	82	225	1538	88.9
70246	66	10	15	6	27	57.5	83	79	88	282	1562	90.3
75008	45	- 6	10	4	18	37.5	80	83	86	261	1531	88.5
71146	57	14	14	6	26	59.5	89	93	83	239	1517	87.7
70883	60	11	8	4	23	46	84	66	78	248	1437	74.5
70458	54	7	10	4	22	42.5	82	73	74	250	1506	87.1
70264	73	10	9	12	16	46.5	60	82	78	256	1479	85.5
76095	71	7	14	4	35	60	67	92	93	294	1616	93.4
73844	71	10	12	8	. 30	59.5	90	84	94	267	1616	
76201	57	15	15	4	27	60.5	87	78	91	262	1606	92.8
73755	49	5	10	3	22	40	78	84	87	248	1548	89.5
70444	58	8	6	.8	- 15		67	69		208	1379	79.7
70294	62	8	11	. 6	15	40	65			221	1416	81.8
74700	55	16	11	4	28		94			251	1632	

70253         61         8         10         3         24         44.5         72         81         88         250         1511         87           73312         57         9         9         15         29         61.5         84         64         89         239         1488         86           74554         60         6         9         2         19         36         90         84         90         268         1609         93           75539         63         7         10         12         24         53         76         79         85         233         1491         86           71305         60         4         10         4         19         37         75         76         64         173         1365         78           72774         57         9         10         12         15         45.5         75         71         73         223         1484         85           71309         73         13         11         6         21         51         86         65         62         1516         78           76105         59         3													
73312         57         9         9         15         29         61.5         84         64         89         239         1488         86           74554         60         6         9         2         19         36         90         84         90         268         1609         93           75539         63         7         10         12         24         53         76         79         85         233         1491         86           71305         60         4         10         4         19         37         75         76         64         173         1365         78           72774         57         9         10         12         15         45.5         75         71         73         223         1484         85           71309         73         13         11         14         31         69         89         86         88         290         1626         94           76105         59         3         4         5         14         26         70         79         86         248         1516         78         72160         79         81	73684	69	16	16	5	27	63.5	83	93	95	259	1567	90.6
74554         60         6         9         2         19         36         90         84         90         268         1609         93           75539         63         7         10         12         24         53         76         79         85         233         1491         86           71305         60         4         10         4         19         37         75         76         64         173         1365         78           72774         57         9         10         12         15         45.5         75         71         73         223         1484         85           71309         73         13         11         6         21         51         86         65         62         150         1359         78           76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         248         11652         88           72169         56         12	70253	61	8	10	3	24	44.5	72	81	_ 88	250	1511	87.3
75539         63         7         10         12         24         53         76         79         85         233         1491         86           71305         60         4         10         4         19         37         75         76         64         173         1365         78           72774         57         9         10         12         15         45.5         75         71         73         223         1484         85           71309         73         13         11         6         21         51         86         65         62         150         1359         78           76411         55         13         11         6         21         51         86         65         62         150         1359         78           76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         72         281         1485         85           72169         56	73312	57	9	9	15	29	61.5	84	64	89	239	1488	86.0
71305         60         4         10         4         19         37         75         76         64         173         1365         78           72774         57         9         10         12         15         45.5         75         71         73         223         1484         85           71309         73         13         11         14         31         69         89         86         88         290         1626         94           76411         55         13         11         6         21         51         86         65         62         150         1359         78           76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         72         281         1552         89           72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           72169         56	74554	60	6	9	2	19	36	90	84	90	268	1609	93.0
72774         57         9         10         12         15         45.5         75         71         73         223         1484         85           71309         73         13         11         14         31         69         89         86         88         290         1626         94           76411         55         13         11         6         21         51         86         65         62         150         1359         78           76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         72         281         1552         89           72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           87149         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9	75539	63	7	10	12	24	53	76	79	85	233	1491	86.2
71309         73         13         11         14         31         69         89         86         88         290         1626         94           76411         55         13         11         6         21         51         86         65         62         150         1359         78           76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         72         281         1552         89           72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           87104         70         9         13         12         19         53         79         93         92         281         1637         94           70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73	71305	60	_ 4	10	4	19	37	75	76	64	173	1365	78.9
76411         55         13         11         6         21         51         86         65         62         150         1359         78           76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         72         281         1552         89           72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           87104         70         9         13         12         19         53         79         93         92         281         1637         94           70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9         4         24         41.5         57         53         63         258         1342         77         74023         50         16	72774	57	9	10	12	15	45.5	75	_71	73	223	1484	85.8
76105         59         3         4         5         14         26         70         79         86         248         1516         78           73948         55         9         7         6         23         44.5         79         80         72         281         1552         89           72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           87104         70         9         13         12         19         53         79         93         92         281         1637         94           70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9         4         24         41.5         57         53         63         258         1342         77           74023         50         16         12         7         30         64.5         94         96         94         279         1606         92         73         75         79	71309	73	_13	11	14	31	69	89	86	88	290	1626	94.0
73948         55         9         7         6         23         44.5         79         80         72         281         1552         85           72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           87104         70         9         13         12         19         53         79         93         92         281         1637         94           70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9         4         24         41.5         57         53         63         258         1342         77           74023         50         16         12         7         30         64.5         94         96         94         279         1606         92           72485         61         10         12         9         28         58.5         75         79         96         252         1538         86           74532         60	76411	55	13	11	6	21	51	86	65	62	150	1359	78.6
72169         56         12         9         9         21         50.5         82         70         81         240         1485         85           87104         70         9         13         12         19         53         79         93         92         281         1637         94           70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9         4         24         41.5         57         53         63         258         1342         77           74023         50         16         12         7         30         64.5         94         96         94         279         1606         92           72485         61         10         12         9         28         58.5         75         79         96         252         1538         88           75699         72         11         10         5         18         43.5         79         59         54         241         1379         75         74         12         21	76105	59	3	4	5	14	26	70	79	86	248	1516	78.5
87104         70         9         13         12         19         53         79         93         92         281         1637         94           70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9         4         24         41.5         57         53         63         258         1342         77           74023         50         16         12         7         30         64.5         94         96         94         279         1606         92           72485         61         10         12         9         28         58.5         75         79         96         252         1538         88           75699         72         11         10         5         18         43.5         79         59         54         241         1379         75           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59 <td>73948</td> <td>55</td> <td>9</td> <td>7</td> <td>6</td> <td>23</td> <td>44.5</td> <td>79</td> <td>80</td> <td>72</td> <td>281</td> <td>1552</td> <td>89.7</td>	73948	55	9	7	6	23	44.5	79	80	72	281	1552	89.7
70154         58         19         9         2         14         44         96         73         74         250         1457         84           76511         73         5         9         4         24         41.5         57         53         63         258         1342         77           74023         50         16         12         7         30         64.5         94         96         94         279         1606         92           72485         61         10         12         9         28         58.5         75         79         96         252         1538         88           75699         72         11         10         5         18         43.5         79         59         54         241         1379         79           74532         60         19         18         8         29         73.5         94         77         80         243         1525         88           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59 </td <td>72169</td> <td>56</td> <td>12</td> <td>9</td> <td>9</td> <td>21</td> <td>50.5</td> <td>82</td> <td>70</td> <td>81</td> <td>_240</td> <td>1485</td> <td>85.8</td>	72169	56	12	9	9	21	50.5	82	70	81	_240	1485	85.8
76511         73         5         9         4         24         41.5         57         53         63         258         1342         77           74023         50         16         12         7         30         64.5         94         96         94         279         1606         92           72485         61         10         12         9         28         58.5         75         79         96         252         1538         88           75699         72         11         10         5         18         43.5         79         59         54         241         1379         75           74532         60         19         18         8         29         73.5         94         77         80         243         1525         88           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59	87104	70	9	13	12	19	53	79	93	92	281	1637	94.6
74023         50         16         12         7         30         64.5         94         96         94         279         1606         92           72485         61         10         12         9         28         58.5         75         79         96         252         1538         88           75699         72         11         10         5         18         43.5         79         59         54         241         1379         79           74532         60         19         18         8         29         73.5         94         77         80         243         1525         88           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59         7         8         6         25         46         92         93         97         289         1651         92           72911         46 </td <td>_70154</td> <td>58</td> <td>19</td> <td>9</td> <td>2</td> <td>14</td> <td>44</td> <td>96</td> <td>73</td> <td>74</td> <td>250</td> <td>1457</td> <td>84.2</td>	_70154	58	19	9	2	14	44	96	73	74	250	1457	84.2
72485         61         10         12         9         28         58.5         75         79         96         252         1538         88           75699         72         11         10         5         18         43.5         79         59         54         241         1379         75           74532         60         19         18         8         29         73.5         94         77         80         243         1525         88           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59         7         8         6         25         46         92         93         97         289         1651         92           72911         46 <td>76511</td> <td>73</td> <td>5</td> <td>9</td> <td>4</td> <td>24</td> <td>41.5</td> <td>57</td> <td>53</td> <td>63</td> <td>258</td> <td>1342</td> <td>77.6</td>	76511	73	5	9	4	24	41.5	57	53	63	258	1342	77.6
75699         72         11         10         5         18         43.5         79         59         54         241         1379         79           74532         60         19         18         8         29         73.5         94         77         80         243         1525         88           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59         7         8         6         25         46         92         93         97         289         1651         95           70271         84         12         17         5         33         67         81         100         99         299         1692         97           72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66	74023	50	16	12	7	30	64.5	94	96	94	279	1606	92.8
74532         60         19         18         8         29         73.5         94         77         80         243         1525         88           74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59         7         8         6         25         46         92         93         97         289         1651         95           70271         84         12         17         5         33         67         81         100         99         299         1692         97           72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66         12         10         4         19         45         82         66         63         196         1355         76           70984         60	72485	61	10	12	9	28	58.5	75	79	96	252	1538	88.9
74506         59         10         12         12         21         55         84         77         79         223         1507         87           72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59         7         8         6         25         46         92         93         97         289         1651         96           70271         84         12         17         5         33         67         81         100         99         299         1692         97           72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66         12         10         4         19         45         82         66         63         196         1355         76           72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70130         61	75699	72	11	10	5	_18	43.5	79	59	54	241	1379	79.7
72638         59         6         11         4         20         40.5         69         73         77         217         1430         82           72650         59         7         8         6         25         46         92         93         97         289         1651         95           70271         84         12         17         5         33         67         81         100         99         299         1692         97           72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66         12         10         4         19         45         82         66         63         196         1355         76           72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           75012         68	74532	60	19	18	8	29	73.5	94	77	80	243	1525	88.2
72650         59         7         8         6         25         46         92         93         97         289         1651         95           70271         84         12         17         5         33         67         81         100         99         299         1692         97           72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66         12         10         4         19         45         82         66         63         196         1355         76           72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           72130         61         4         9         5         13         31         53         75         61         195         1366         75           75012         68	74506	59	10	12	12	21	55	84	77	79	223	1507	87.1
70271         84         12         17         5         33         67         81         100         99         299         1692         97           72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66         12         10         4         19         45         82         66         63         196         1355         76           72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           72130         61         4         9         5         13         31         53         75         61         195         1366         75           75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78 <td>72638</td> <td>59</td> <td>6</td> <td>11</td> <td>4</td> <td>20</td> <td>40.5</td> <td>69</td> <td>73</td> <td>77</td> <td>217</td> <td>_1430</td> <td>82.7</td>	72638	59	6	11	4	20	40.5	69	73	77	217	_1430	82.7
72911         46         5         7         4         15         30.5         72         73         79         221         1472         85           73360         66         12         10         4         19         45         82         66         63         196         1355         78           72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           72130         61         4         9         5         13         31         53         75         61         195         1366         75           75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78         19         17         5         22         63         95         78         82         265         1576         91           76016         53 <td>72650</td> <td>59</td> <td>7</td> <td>8</td> <td>6</td> <td>25</td> <td>46</td> <td>92</td> <td>93</td> <td>97</td> <td>289</td> <td>1651</td> <td>95.4</td>	72650	59	7	8	6	25	46	92	93	97	289	1651	95.4
73360         66         12         10         4         19         45         82         66         63         196         1355         76           72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           72130         61         4         9         5         13         31         53         75         61         195         1366         75           75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78         19         17         5         22         63         95         78         82         265         1576         91           76016         53         6         10         3         28         47         76         77         94         270         1566         96           71804         60	70271	84	12	17	5	33	67	81	100	99	299	1692	97.8
72032         54         16         16         12         27         70.5         86         97         94         287         1636         94           70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           72130         61         4         9         5         13         31         53         75         61         195         1366         75           75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78         19         17         5         22         63         95         78         82         265         1576         91           76016         53         6         10         3         28         47         76         77         94         270         1566         90           71419         50         7         8         8         27         50         86         81         88         260         1548         89           71804         60	72911	46	5	7	4	_15	30.5	72	73	79	221	1472	85.1
70984         60         13         11         8         16         47.5         88         72         75         212         1415         81           72130         61         4         9         5         13         31         53         75         61         195         1366         79           75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78         19         17         5         22         63         95         78         82         265         1576         91           76016         53         6         10         3         28         47         76         77         94         270         1566         90           71419         50         7         8         8         27         50         86         81         88         260         1548         89           71804         60         12         12         8         17         49         92         83         95         272         1624         93           73425         70	73360	66	12	10	4	19	45	82	66	63	196	1355	78.3
72130         61         4         9         5         13         31         53         75         61         195         1366         79           75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78         19         17         5         22         63         95         78         82         265         1576         91           76016         53         6         10         3         28         47         76         77         94         270         1566         90           71419         50         7         8         8         27         50         86         81         88         260         1548         89           71804         60         12         12         8         17         49         92         83         95         272         1624         93           73425         70         17         17         4         33         70.5         98         99         100         295         1707         96           70933         68	72032	54	16	16	12	27	70.5	86	97	94	287	1636	94.6
75012         68         17         13         11         21         61.5         93         58         86         240         1510         87           72414         78         19         17         5         22         63         95         78         82         265         1576         94           76016         53         6         10         3         28         47         76         77         94         270         1566         90           71419         50         7         8         8         27         50         86         81         88         260         1548         85           71804         60         12         12         8         17         49         92         83         95         272         1624         93           73425         70         17         17         4         33         70.5         98         99         100         295         1707         96           70933         68         9         10         7         28         53.5         88         95         99         296         1691         97           76013         58	70984	60	13	11	8	16	47.5	88	72	75	212	1415	81.8
72414         78         19         17         5         22         63         95         78         82         265         1576         91           76016         53         6         10         3         28         47         76         77         94         270         1566         90           71419         50         7         8         8         27         50         86         81         88         260         1548         89           71804         60         12         12         8         17         49         92         83         95         272         1624         93           73425         70         17         17         4         33         70.5         98         99         100         295         1707         98           70933         68         9         10         7         28         53.5         88         95         99         296         1691         97           76013         58         7         11         4         17         38.5         83         61         83         242         1495         86	72130	61	4	9	5	13	31	53	75	61	195	1366	79.0
76016         53         6         10         3         28         47         76         77         94         270         1566         90           71419         50         7         8         8         27         50         86         81         88         260         1548         85           71804         60         12         12         8         17         49         92         83         95         272         1624         93           73425         70         17         17         4         33         70.5         98         99         100         295         1707         98           70933         68         9         10         7         28         53.5         88         95         99         296         1691         97           76013         58         7         11         4         17         38.5         83         61         83         242         1495         86	75012	68	17	13	11	21	61.5	93	58	86	240	1510	87.3
71419         50         7         8         8         27         50         86         81         88         260         1548         85           71804         60         12         12         8         17         49         92         83         95         272         1624         93           73425         70         17         17         4         33         70.5         98         99         100         295         1707         96           70933         68         9         10         7         28         53.5         88         95         99         296         1691         97           76013         58         7         11         4         17         38.5         83         61         83         242         1495         86	72414	78	19	17	5	22	63	95	78	82	265	1576	91.1
71804     60     12     12     8     17     49     92     83     95     272     1624     93       73425     70     17     17     4     33     70.5     98     99     100     295     1707     96       70933     68     9     10     7     28     53.5     88     95     99     296     1691     97       76013     58     7     11     4     17     38.5     83     61     83     242     1495     86	76016	53	6	10	3	28	47	76	77	94	270	1566	90.5
73425     70     17     17     4     33     70.5     98     99     100     295     1707     98       70933     68     9     10     7     28     53.5     88     95     99     296     1691     97       76013     58     7     11     4     17     38.5     83     61     83     242     1495     86	71419	50	7	8	. 8	27	50	86	81	88	260	1548	89.5
70933     68     9     10     7     28     53.5     88     95     99     296     1691     97       76013     58     7     11     4     17     38.5     83     61     83     242     1495     86	71804	60	12	12	8	17	49	92	83	95	272	1624	93.9
76013 58 7 11 4 17 38.5 83 61 83 242 1495 86	73425	70	17	17	4	33	70.5	98	99	100	295	1707	98.7
	70933	68	9	10	7	_28	53.5	88	95	99	296	1691	97.7
1 maggar and all 44 all and red and and and are 1 are 1	76013	58	7	11	4	17	38.5	83	61	83	242	1495	86.4
	73223	78	8	11	6	26		86	73	73	241	1536	88.8
70431 68 10 13 6 17 46 81 62 72 206 1422 82	70431	68	10	13	6	17	46	81	62	72	206	1422	82.2
74192 63 14 13 4 22 52.5 90 95 94 288 1647 95	74192	63	14	13	4	22	52.5	90	95	_ 94	288	1647	95.2
73094 61 7 13 6 29 55 96 91 100 290 1673 96	73094	61	7	13	6	29	55	96	91	100	290	1673	96.7
72157 60 13 11 11 18 53 88 88 93 253 1588 9°	72157	60	13	11	_11	18	53	88	88	93	253	1588	91.8
	74878	58	9	12	5	12	37.5	79	74	81	220	1449	<del></del>
73058 69 10 14 5 28 56.5 84 96 97 294 1649 98	73058	69	10	14	5	28	56.5	84	96	97	294	1649	95.3
71948 57 5 12 6 18 41 55 55 76 210 1369 79	71948	57	5	12	6	18	41	55	55	_ 76	210	1369	79.1

73489	66	7	10	8	18	42.5	77	82	90	252	1513	87.5
48157	57	13	12	6	17	47.5	87	83	94	266	1603	92.7
72375	57	7	10	8	28	52.5	76	86	84	269	1500	86.7
70504	56	4	9	1	11	25	66	60	59	200	1306	75.5
85914	85	16	14	5	38	73	95	92	97	297	1652	95.5
76598	62	8	10	5	22	45	74	69	65	208	1371	79.2
72451	88	16	16	6	36	73.5	84	91	97	279	1656	95.7
70443	71	7	13	5	18	42.5	67	67	80	208	1376	79.5
75381	62	16	13	8	27	64	94	79	93	258	1595	92.2
72363	66	9	14	5	20	47.5	84	_ 87	89	286	1609	93.0
73147	60	13	13	6	30	61.5	84	89	88	266	1584	91.6
76599	60	6	5	2	16	29	63	61	78	201	1293	74.7
71546	62	6	10	4	16	36	63	56	62	168	1356	78.4
76120	63	16	13	4	25	57.5	86	84	79	284	1542	89.1
72756	68	18	10	5	11	43.5	94	88	94	283	1626	94.0
70844	63	9	14	5	28	55.5	89	96	99	281	1661	96.0
73560	62	16	13	5	19	53	83	61	57	227	1332	77.0
72134	63	6	10	10	19	44.5	76	62	58	256	1420	82.1
74599	75	8	15	4	18	44.5	80	72	91	208	1513	87.5
73052	53	6	9	4	_14	32.5	72	65	76	_233	1351	78.1
71806	76	13	13	7	29	62	87	90	95	283	1611	93.1
76309	72	19	11	9	20	58.5	92	75	89	235	1490	86.1
70100	54	9	14	3	27	53	73	97	88	283	1609	93.0
72597	56	10	9	8	20	46.5	78	61	84	253	1474	85.2
74519	75	8	8	7	12	34.5	82	_ 85	81	218	1639	84.9
71065	74	13	16	9	24	62	92	86	85	280	1615	93.4
73385	75	14	19	20	36	88.5	87	87	94	273	1531	88.5
75551	55	10	5	7	9	31	72	55	_58	150	1267	73.2
70403	60	9	8	5	16	37.5	76	89	71	278	1521	87.9
73066	66	14	20	5	_33	71.5	90	93	98	287	1639	94.7
74135	88	18	15	11	26	69.5	92	73	86	270	1517	87.7

		,										
73575	57	8	7	3	20	38	69	66	88	216	1480	85.5
72116	_63	12	10	10	22	53.5	87	73	86	226	1494	86.4
72550	80	15	15	5	_36	71	92	96	97	288	1667	96.4
75062	58	8	8	2	27	44.5	79	67	85	273	1540	89.0
73883	63	5	14	6	21	46	61	55	58	211	1270	73.4
72656	57	8	12	6	20	45.5	78	90	99	285	1607	92.9
76359	55	5	14	5	11	35	65	68	69	237	1420	82.1
74285	76	7	11	8	11	37	61	61	74	196	1307	75.5
72765	60	_4	11	6	21	41.5	66	81	87	260	1500	86.7
74591	74	13	12	14	34	72.5	89	91	90	287	1661	96.0
74543	62	4	9	5	15	32.5	71	72	80	225	1463	84.6
71326	56	13	11	7	14	44.5	77	57	57	156	1252	72.4
70272	68	8	13	5	20	46	73	57	65	242	1436	83.0
70664	51	6	11	6	21	43.5	79	94	99	288	1647	95.2
70391	74	12	14	4	25	55	81	88	94	291	1632	94.3
75422	73	6	11	4	24	45	58	70	60	200	1248	72.1
76218	49	_4	6	2	17	28.5	88	80	92	269	1546	89.4
74275	58	9	11	3	19	41.5	78	64	78	207	1443	83.4
74889	61	_17	16	15	38	86	95	96	100	291	1672	96.6
76301	55	7	12	9	18	45.5	72	75	85	250	1442	83.4
74429	64	10	13	5	21	49	75	88	78	241	1526	88.2
75159	56	7	6	5	12	30	77	63	56	227	1400	80.9
73898	60	_ 7	8	5	15	34.5	57	54	77	174	1413	73.2
72775	56	7	9	8	15	39	84	69	62	206	1262	72.9
72269	57	7	5	4	14	30	72	70	70	194	1234	71.3
71463	79	14	10	7	21	51.5	89	87	95	244	1619	93.6
70405	73	15	9	_ 4	21	48.5	85	73	74	279	1526	88.2
72782	57	5	6	6	14	30.5	51	55	51	172	1167	67.5
71096	82	19	18	. 4	31	71.5	91	88	86	295	1605	92.8
70302	.80	18	18	4	31	. 71	97	95	97	286	1662	96.1
72515	60	9	12	5	21	46.5	63	69	60	188	1328	76.8
73713	66	11	15	12	34	72	95	92	98	293	1692	97.8
70090	61	5	8	5	14	31.5	89	90	94	277	1628	94.1
74224	61	13	9	4	20	45.5	84	75	62	204	1402	81.0
76327	58	9	11	8	22	50	80	84	98	281	1604	92.7
75216	54	5	6	7	14	32	71	60	71	256	1454	84.0
72816	66	15	14	3	21	52.5	87	88	89	260	1519	87.8
73157	75	7	11	4	17	39	82	85	74	228	1532	88.6
72483	48	5	10	7	18	40	60	79	80	213	1447	83.6
74258	66	15	11	6	20	51.5	86	84	92	259	1584	91.6
72646	81	16	11	8	36	70.5	94	97	95	287	1668	96.4
73135	70	17	16	7	37	76.5	97	95	100	300	1712	99.0
76081	58	8	6	5	18	37	51	67	76	192	1360	78.6
71041	63	18	14	6	29	67	91	95	97	281	1629	94.2

74637	82	18	16	_ 7	36	76.5	100	100	98	277	1681	97.2
75457	56	12	7	6	27	51.5	82	82	88	255	1592	92.0
74215	69	_20	15	10	24	68.5	82	77	78	267	1519	87.8
73695	56	13	11	12	19	55	93	81	80	240	1513	87.5
72622	72	_7	4	10	19	39.5	93	90	93	285	1597	92.3
73060	56	6	14	2	17	38.5	72	82	91	251	1469	84.9
49408	62	6	10	3	22	41	84	87	96	291	1650	95.4
71021	60	15	10	3	20	47.5	90	74	81	220	1466	84.7
71370	63	10	15	11	31	66.5	84	85	88	281	1588	91.8
74479	52	8	8	6	30	51.5	75	77	81	261	1490	86.1
74099	64	7	12	5	11	35	74	60	58	192	1338	77.3
71591	73	11	15	2	29	57	87	93	92	237	1568	90.6
72580	63	6	9	3	15	33	71	84	74	236	1467	84.8
74080	_68	15	10	3	14	42	86	62	68	159	1359	78.6
73788	51	6	14	5	28	53	81	89	99	284	1632	94.3
71690	_78	20	16	5	31	72	97	94	95	284	1632	94.3
76299	60	19	12	6	25	61.5	92	74	75	266	1496	86.5
74867	72	19	15	12	22	67.5	93	93	94	268	1637	94.6
74098	73	13	17	6	33	69	81	85	89	280	1563	90.3
73352	66	18	17	8	35	78	97	98	100	290	1702	98.4
74955	_55	8	_11	3	17	38.5	70	59	72	207	1381	79.8
85424	52	_ 8	10	4	24	45.5	82	93	91	274	1603	92.7
73641	80	19	16	4	33	72	99	96	100	292	1655	95.7
72290	57	9	10	4	19	42	87	83	84	261	1524	88.1
72471	77	17	16	6	27	65.5	90	98	93	281	1642	94.9
74803	50	8	12	7	34	60.5	83	89	92	290	1620	93.6
72099	60	13	_11	3	24	50.5	90	83	93	251	1606	92.8
71888	.57	7	5	4	10	25.5	67	73	70	202	1410	81.5
71629	58	7	12	8	34	61	75	79	93	283	1569	90.7
76150	63	13	7	2	15	37	92	78	69	191	1431	82.7
74205	67	12	11	11	_29	62.5	81	85	95	276	1616	93.4
74918	68	8	9	8	23	48	83	79	91	283	1565	90.5
76441	70	19	12	7		62.5	93	87	75	272	1557	90.0
75911	60	4	7	3	13	27	74	76	87	256	1543	89.2
75173	53	7	7	5	22	41	73	80	85	231	1536	
73294	74	13	11	6	_22	51.5	84	67	80	251	1532	88.6
72872	64	7	14	3	23	46.5	89	83	96	246	1581	91.4
70112	30	3	9	2	15	29	82	81	90	266	1589	91.8
73445	61	15	9	4	23	51	94	80	84	247	1523	88.0
70992	63	7	10	10	19	46	80	64	73	225	1438	83.1
74877	67	5	7	7	16	35	60	53	52	187	1253	72.4
	60	12	13	6	16	47	79	78	_ 63	207	1374	79.4
73667	69											
73667 71875	55	15	12		22	54	92	82	84	262	1594	92.1

71384   63													
Tight   Tigh	71384	63	7	9	8	_28	52	82	77	72	257	1420	82.1
70810         69         9         14         7         25         54.5         93         87         89         274         1611         93.1           76347         76         20         14         5         32         70.5         98         83         88         272         1594         92.1           71137         58         12         11         14         30         67         91         72         90         240         1557         90.0           76550         70         17         11         6         24         58         81         66         89         243         1512         87.4           71518         67         8         10         7         22         46.5         71         78         81         256         1422         82.2           70204         69         14         11         10         23         58         75         67         68         191         1330         76.9           72830         64         61         10         61         94         41         55         78         77         224         1461         84.2           74978	76077	62	9	12	3	23	47	84	78	89	198	1507	87.1
76347         76         20         14         5         32         70.5         98         83         88         272         1594         92.1           71137         58         12         11         14         30         67         91         72         90         240         1557         90.0           76550         70         17         11         6         24         58         81         66         89         243         1512         87.4           71518         67         8         10         7         22         46.5         71         78         81         256         1422         82.2           70704         69         14         11         10         23         58         75         67         68         191         1330         76.9           72831         75         17         8         2         8         34.5         87         55         59         178         1266         73.2           74978         63         5         10         7         18         39.5         68         78         77         226         14618         84.5           74978	71365	60	_4	9	_ 8	13	34	81	74	73	207	1388	80.2
Tri	70810	69	9	14	7	25	54.5	93	87	89	274	1611	93.1
76550         70         17         11         6         24         58         81         66         89         243         1512         87.4           71518         67         8         10         7         22         46.5         71         78         81         256         1422         82.2           70704         69         14         11         10         23         58         75         67         68         191         1330         76.9           72830         64         6         14         7         29         56         70         88         92         280         1602         92.6           72031         72         17         8         2         8         34.5         87         55         59         178         1266         73.2           72642         61         6         10         6         19         41         55         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1481         82.3           75249	76347	76	20	14	5	32	70.5	98	83	88	272	1594	92.1
71518         67         8         10         7         22         46.5         71         78         81         256         1422         82.2           70704         69         14         11         10         23         58         75         67         68         191         1330         76.9           72830         64         6         14         7         29         56         70         88         92         280         1602         92.6           72031         72         17         8         2         8         34.5         87         55         59         178         1266         73.2           72642         61         6         10         6         19         41         55         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75107         <	71137	58	12	11	14	30	67	91	72	90	240	1557	90.0
70704         69         14         11         10         23         58         75         67         68         191         1330         76.9           72830         64         6         14         7         29         56         70         88         92         280         1602         92.6           72031         72         17         8         2         8         34.5         87         55         59         178         1266         73.2           72642         61         6         10         6         19         41         55         78         77         224         1461         84.5           74978         63         5         10         7         18         39.5         68         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824	76550	70	17	11	6	24	58	81	66	89	243	1512	87.4
72830         64         6         14         7         29         56         70         88         92         280         1602         92.6           72031         72         17         8         2         8         34.5         87         55         59         178         1266         73.2           72642         61         6         10         6         19         41         55         78         77         224         1461         84.5           74978         63         5         10         7         18         39.5         68         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         <	71518	67	8	10	_ 7	22	46.5	71	78	81	256	1422	82.2
72031         72         17         8         2         8         34.5         87         55         59         178         1266         73.2           72642         61         6         10         6         19         41         55         78         77         224         1461         84.5           74978         63         5         10         7         18         39.5         68         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73940	70704	69	14	11	10	23	58	75	67	68	191	1330	76.9
72642         61         6         19         41         55         78         77         224         1461         84.5           74978         63         5         10         7         18         39.5         68         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75249         48         7         11         6         26         49.5         83         76         87         235         1481         85.6           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73941         14         14	72830	64	6	14	_ 7	29	56	70	88	92	280	1602	92.6
74978         63         5         10         7         18         39.5         68         78         70         265         1505         87.0           73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75249         48         7         11         6         26         49.5         83         76         87         235         1481         85.6           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73954         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060	72031	72	17	8	_2	8	34.5	87	55	59	178	1266	73.2
73116         66         10         10         4         24         47.5         79         65         78         236         1490         86.1           71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75249         48         7         11         6         26         49.5         83         76         87         235         1481         85.6           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73950         50         8         13         4         32         57         91         93         93         280         1657         95.8           73544         72         14         14         6         20         53.5         89         69         83         217         14756         85.3           72060	72642	61	6	10	6	19	41	55	78	.77	224	1461	84.5
71533         57         12         8         4         14         38         84         73         72         173         1424         82.3           75249         48         7         11         6         26         49.5         83         76         87         235         1481         85.6           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73950         50         8         13         4         32         57         91         93         93         280         1657         95.8           73544         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125	74978	63	5	10	7	18	39.5	68	78	70	265	1505	87.0
75249         48         7         11         6         26         49.5         83         76         87         235         1481         85.6           75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73950         50         8         13         4         32         57         91         93         93         280         1657         95.8           73544         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125         68         11         10         12         42         68         67         67         210         1406         81.3           76125         68	73116	66	10	10	4	24	47.5	79	65	78	236	1490	86.1
75107         60         6         13         7         14         39.5         75         55         75         207         1383         79.9           74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73950         50         8         13         4         32         57         91         93         93         280         1657         95.8           73544         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125         68         11         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336	71533	57	12	8	4	14	38	84	73	72	173	1424	82.3
74824         62         5         12         13         24         53.5         77         65         83         273         1463         84.6           73950         50         8         13         4         32         57         91         93         93         280         1657         95.8           73544         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125         68         11         10         10         29         59.5         91         79         86         277         1567         90.6           73681         55         5         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71188	75249	48	7	11	6	26	49.5	83	76	87	235	1481	85.6
73950         50         8         13         4         32         57         91         93         93         280         1657         95.8           73544         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125         68         11         10         10         29         59.5         91         79         86         277         1567         90.6           73681         55         5         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           7218	75107	60	6	13	_7	14	39.5	75	55	75	207	1383	79.9
73544         72         14         14         6         20         53.5         89         69         83         217         1475         85.3           72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125         68         11         10         10         29         59.5         91         79         86         277         1567         90.6           73681         55         5         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188	74824	62	5	12	13	24	53.5	77	65	83	273	1463	84.6
72060         48         9         10         4         10         32.5         71         63         60         223         1353         78.2           76125         68         11         10         10         29         59.5         91         79         86         277         1567         90.6           73681         55         5         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181	73950	50	8	_13	4	32	57	91	93	93	280	1657	95.8
76125         68         11         10         10         29         59.5         91         79         86         277         1567         90.6           73681         55         5         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708	73544	72	14	14	6	20	53.5	89	69	83	217	1475	85.3
73681         55         5         10         10         17         42         68         67         67         210         1406         81.3           76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558	72060	48	9	10	4	10	32.5	71	63	60	223	1353	78.2
76160         68         10         15         3         31         59         86         80         82         268         1508         87.2           71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967	76125	68	11	10	10	29	59.5	91	79	86	277	1567	90.6
71336         65         11         10         5         31         57         89         92         92         272         1619         93.6           72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750	73681	55	5	10	10	17	42	68	67	67	210	1406	81.3
72918         70         7         9         4         12         31.5         68         64         66         190         1365         78.9           71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73490	76160	68	10	15	3	31	59	86	80	82	268	1508	87.2
71188         72         7         12         4         28         50.5         85         82         90         298         1617         93.5           76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           70632	71336	65	11	10	5	31	57	89	92	92	272	1619	93.6
76181         61         6         14         4         29         52.5         90         97         98         278         1661         96.0           72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70655	72918	70	7	_ 9	4	_12	31.5	68	64	66	190	1365	78.9
72708         66         15         15         5         37         71.5         89         96         100         299         1685         97.4           70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038 <t< td=""><td>71188</td><td>72</td><td>7</td><td>12</td><td>4</td><td>28</td><td>50.5</td><td>85</td><td>82</td><td>90</td><td>298</td><td>1617</td><td>93.5</td></t<>	71188	72	7	12	4	28	50.5	85	82	90	298	1617	93.5
70558         66         8         12         3         25         47.5         88         83         93         275         1574         91.0           73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70655         34         5         7         3         17         31.5         64         70         76         220         1408         81.4           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         6	76181	61	6	14	4	29	52.5	90	97	98	278	1661	96.0
73967         59         5         11         5         16         37         73         75         75         253         1479         85.5           45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70655         34         5         7         3         17         31.5         64         70         76         220         1408         81.4           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817	72708	66	15	15	5	37	71.5	89	96	100	299	1685	97.4
45750         58         8         13         6         26         53         83         76         74         254         1490         86.1           73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70655         34         5         7         3         17         31.5         64         70         76         220         1408         81.4           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         <	70558	66	8	12	3	25	47.5	88	83	93	275	1574	91.0
73650         65         6         9         5         18         38         61         55         64         186         1213         70.1           73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70655         34         5         7         3         17         31.5         64         70         76         220         1408         81.4           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079 <t< td=""><td>73967</td><td>59</td><td>5</td><td>_11</td><td>5</td><td>16</td><td>37</td><td>73</td><td>75</td><td>75</td><td>253</td><td>1479</td><td>85.5</td></t<>	73967	59	5	_11	5	16	37	73	75	75	253	1479	85.5
73490         58         12         9         4         16         40.5         71         61         62         171         1369         79.1           70655         34         5         7         3         17         31.5         64         70         76         220         1408         81.4           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079         79         16         13         3         27         59         87         82         81         220         1497         86.5           75464	45750	58	8	13	6	26	53	83	76	74	254	1490	86.1
70655         34         5         7         3         17         31.5         64         70         76         220         1408         81.4           70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079         79         16         13         3         27         59         87         82         81         220         1497         86.5           75464         59         9         12         5         26         51.5         83         70         74         266         1477         85.4           76523	73650	65	6	9	5	18	38	61	55	64	186	1213	70.1
70632         60         9         7         12         34         62         82         79         96         258         1552         89.7           71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079         79         16         13         3         27         59         87         82         81         220         1497         86.5           75464         59         9         12         5         26         51.5         83         70         74         266         1477         85.4           76523         71         14         15         4         24         56.5         90         97         88         280         1648         95.3           73357	73490	58	12	9	4	16	40.5	71	61	62	171	1369	79.1
71038         66         13         17         8         30         67.5         94         89         96         281         1629         94.2           72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079         79         16         13         3         27         59         87         82         81         220         1497         86.5           75464         59         9         12         5         26         51.5         83         70         74         266         1477         85.4           76523         71         14         15         4         24         56.5         90         97         88         280         1648         95.3           73357         58         16         12         5         29         61.5         92         80         90         269         1581         91.4	70655	34	5		3	17	31.5	64	.70	76	220	1408	81.4
72817         69         11         12         9         11         42.5         81         71         70         203         1422         82.2           70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079         79         16         13         3         27         59         87         82         81         220         1497         86.5           75464         59         9         12         5         26         51.5         83         70         74         266         1477         85.4           76523         71         14         15         4         24         56.5         90         97         88         280         1648         95.3           73357         58         16         12         5         29         61.5         92         80         90         269         1581         91.4	70632	60	9	7	12	34	62	82	79	96	258	1552	89.7
70885         60         2         8         4         16         30         66         51         50         155         1231         71.2           71079         79         16         13         3         27         59         87         82         81         220         1497         86.5           75464         59         9         12         5         26         51.5         83         70         74         266         1477         85.4           76523         71         14         15         4         24         56.5         90         97         88         280         1648         95.3           73357         58         16         12         5         29         61.5         92         80         90         269         1581         91.4	71038	66	13	17	8	30	67.5	94	89	96	281	1629	94.2
71079     79     16     13     3     27     59     87     82     81     220     1497     86.5       75464     59     9     12     5     26     51.5     83     70     74     266     1477     85.4       76523     71     14     15     4     24     56.5     90     97     88     280     1648     95.3       73357     58     16     12     5     29     61.5     92     80     90     269     1581     91.4	72817	69	11	12	9	11	42.5	81	71	70	203	1422	82.2
75464     59     9     12     5     26     51.5     83     70     74     266     1477     85.4       76523     71     14     15     4     24     56.5     90     97     88     280     1648     95.3       73357     58     16     12     5     29     61.5     92     80     90     269     1581     91.4	70885	60	2	8	4	16	30	66	51	50	155	1231	71.2
76523     71     14     15     4     24     56.5     90     97     88     280     1648     95.3       73357     58     16     12     5     29     61.5     92     80     90     269     1581     91.4	71079	79	16	13	3	27	59	87	82	81	220	1497	86.5
73357 58 16 12 5 29 61.5 92 80 90 269 1581 91.4	75464	59	9	12	5	26	51.5	83	70	74	266	1477	85.4
	76523	71	14	15	4	24	56.5	90	97	88	280	1648	95.3
72428 43 10 8 8 16 41.5 89 80 92 268 1586 91.7	73357	58	16	12	5	29	61.5	92	80	90	269	1581	91.4
	72428	43	10	8	8	16	41.5	89	80	92	268	1586	91.7

76603	55	4	7	5	5	21	68	66	70	174	1348	77.9
75360	60	8	6	3	20	36.5	61	50	56	218	1351	78.1
74695	71	14	14	_4	26	58	89	97	94	284	1655	95.7
74268	56	5	8	5	17	35	78	63	86	243	1517	87.7
74561	67	10	15	4	27	56	88	96	93	267	1608	92.9
74531	57	3	13	_ 7	19	42	70	74	71	233	1429	82.6
70683	66	18	17	6	36	77	98	100	99	295	1699	98.2
73338	49	6	10	14	22	52	84	90	98	274	1641	94.9
73444	70	10	11	5	22	47.5	87	72	87	256	1553	89.8
72153	63	7	12	9	33	60.5	77	82	91	265	1575	91.0
70530	66	8	10	4	26	47.5	78	78	64	266	1507	87.1
74340	64	5	7	_2	_18	31.5	78	80	88	208	1473	85.1
70115	61	4	10	6	20	39.5	77	90	82	272	1556	89.9
70766	49	14	12	5	28	58.5	81	77	92	262	1500	86.7
73643	66	5	10	6	14	34.5	79	75	85	267	1527	88.3
73082	70	7	9	6	23	44.5	84	90	91	281	1591	92.0
70669	57	8	12	6	20	45.5	50	66	64	219	1350	78.0
76497	70	17	11	8	18	54	90	67	80	206	1471	85.0
71568	59	6	11	5	21	43	70	80	85	251	1511	87.3
73797	60	14	12	5	21	52	88	81	73	261	1513	87.5
70575	54	14	11	6	23	54	96	68	85	225	1506	87.1
74158	66	10	12	14	22	58	81	67	91	217	1494	86.4
75202	56	2	10	10	20	41.5	77	75	79	233	1474	85.2
72994	69	9	16	13	28	66	65	68	68	224	1427	82.5
73962	60	7	10	10	18	45	55	56	55	219	1343	77.6
73477	57	_ 6	9	4	14	33	81	74	81	235	1521	87.9
72475	55	4	9	5	8	25.5	69	70	70	219	1414	81.7
71958	61	13	_11	5	15	44	80	78	82	264	1542	89.1
76073	72	7	9	6	22	43.5	81	80	86	249	1526	88.2
72320	62	4	10	3	15	32	60	61	68	207	1236	71.4
71563	55	15	13	8	22	57.5	75	76	83	263	1538	88.9
76264	66	13	15	3	21	52	91	93	90	269	1600	92.5
75242	49	14	6	5	29	53.5	91	91	94	289	1665	96.2
70731	59	14	10	10	18	52	84	77	89	253	1594	92.1
73374	56	7	8	4	16	34.5	65	64	63	246	1383	79.9
70358	64	12	13	5	19	49	77	84	83	237	1537	88.8
76178	68	. 7	10	6	19	. 42	. 81	70	86	241	1515	87.6
75369	63	13	8	6	22	48.5	86	70	85	243	1496	86.5
71125	70	19	15	5	36	74.5	97	100	100	300	1714	99.1
70476	75		7	9	15		87	75	84	247		
73834	56	7	8					95	93	283	1642	94.9
74121	58	6	8	6	13	33	66	55	56	186	1254	72.5
70314	63		7	7		44.5	70	77	83	216		
72579	47	8	9	10	23	_50	84	86	93	267	1574	91.0

· · · · · · · · · · · · · · · · · · ·												
71195	69	17	16	16	36	84.5	93	98	99	296	1692	97.8
77837	55	5	9	7	9	29.5	63	71	66	205	1349	78.0
73343	57	9	6	1	25	41	76	65	84	261	1483	85.7
73249	57	14	7	2	11	33.5	74	72	64	208	1311	75.8
75741	60	9	10	2	17	37.5	85	. 72	82	251	1524	88.1
72648	78	6	13	4	23	46	60	53	70	243	1355	78.3
75100	59	4	17	6	28	54.5	80	94	99	291	1645	95.1
71640	68	12	13	14	15	53.5	80	77	92	174	1436	83.0
71359	49	13	10	4	19	45.5	96	96	94	283	1676	96.9
70746	43	11	7	5	26	49	83	79	96	263	1577	91.2
70988	60	12	9	5	27	52.5	85	85	88	225	1527	88.3
74332	61	10	14	10	30	63.5	87	92	96	258	1615	93.4
72422	83	13	14	16	34	77	90	86	94	284	1640	94.8
70247	64	11	10	8	18	47	85	81	70	233	1513	87.5
71436	58	. 8	14	11	23	56	87	88	94	283	1634	94.5
72754	62	15	16	4	31	65.5	96	96	99	260	1648	95.3
72234	60	7	13	5	21	46	83	90	93	243	1588	91.8
71811	60	10	8	3	21	42	75	80	96	270	1579	91.3
73662	77	12	14	9	29	63.5	81	66	70	232	1461	84.5
73907	63	10	11	2	15	37.5	81	79	93	246	1531	88.5
70641	66	13	12		26	51	91	67	77	211	1393	80.5
75523	60	8	. 8	4	13	32.5	. 80	63	66	196	1365	78.9
71680	75	17	14	15	31	77	94	79	96	278	1638	94.7
70525	56	4	7	9	14	34	. 86	78	80	271	1478	85.4
72571	. 77	. 9	16	6	23	54	74	<b>8</b> 5	77	238	1489	86.1
71737	60	7	14	4	14	38.5	84	85	95	263	1613	93.2
75354	58	9	10	3	26	48	84	56	78	263	1460	84.4
70865	48	18	11	<u> </u>	25	57.5	93	76	83	254	1508	87.2
75300	55	7	10	7	29	53	83	_80	92	284	1569	90.7
72921	46	9	. 7	11	_28	55	89	. 91	98	282	1648	95.3
72306	57	5	8	5	20	38	74	50	61	204	1438	83.1
75829	57	12	11	2	18	43	86	80	81	255	1537	88.8
72809	60	16	14	5	37	72	94	95	100	278	1667	96.4
71901	60	6	6	6	21	38.5	57	62	59	207	1307	75.5
70153	51	8	16	1	_26	50.5	97	92	97	274	1654	95.6
70751	57	15	10	7	18	50	91	74	92	232	1540	79.8
74395	77	14	14	16	30	73.5	88	79	91	284	1534	88.7
73554	60	6	10	6	28	50	88	90	86	280	1600	92.5
73551	72	.11	10	7	26	54	82	81	97	273	1558	90.1
74338	71	_17	19	6	. 34	75.5	99	98	100	300	1716	99.2
72494	64	8	. 13	3	16	39.5	73	62	70	211	1293	74.7
72082	54	11	- 10	. 5	31	57	96	94	93	285	1676	96.9
70861	65	6	. 11	2	23	41.5	81	87	91	284	1601	92.5
73210	88	_20	18	4	35	76.5	96	96	98	297	1695	98.0

72380	63	8	7	4	17	36	69	61	58	188	1294	74.8
70507	67	11	11	7	18	46.5	58	75	78	237	1395	80.6
74970	69	5	8	4	16	32.5	61	58	59	184	1309	75.7
70125	60	8	10	9	27	54	93	86	97	275	1637	94.6
73396	64	8	9	6	18	40.5	63	72	72	242	1481	85.6

Entrance Number	Ram 1 Tota	Ram2 English	Ram2 Physics	Ram2 Chenestry	Ram2 Math	Ram2 Total	High School English	High School Physics	High School Chemestry	High School Math	High School Total	High School Percentage
71165	54	10	13	8	20	50.5	66	68	66	204	1356	78.4
71862	56	4	12	3	30	49	65	81	85	296	1548	89.5
71280	56	7	9	10	22	47.5	68	76	86	280	1523	88.0
70257	55	15	6	3	13	37	78	65	80	228	1386	80.1
76234	57	7	13	3	19	42	64	59	.70	184	1409	81.4
73951	70	13	11	10	27	61	87	88	86	272	1549	89.5
74111	83	8	14	7	23	52	80	76	80	232	1554	89.8
73737	59	5	6	5	14	30	66	58	75	185	1377	79.6
73719	59	4	10	4	14	31.5	61	62	61	229	1292	74.7
71757	69	_15	16	13	23	66.5	87	78	82	199	1530	88.4
74223	68	18	8	4	18	48	89	81	82	260	1521	87.9
72388	78	18	16	18	37	89	89	95	94	299	1662	96.1
71996	55	7	12	7	17	43	78	89	92	267	1570	90.8
71945	57	10	12	6	6	33.5	87	71	78	171	1447	83.6
72240	46	9	14	10	31	64	90	93	98	286	1652	95.5
72709	89	20	16	8	30	73.5	93	94	92	258	1582	91.4
75185	55	9	6	2	14	31	83	71	88	224	1541	89.1
70527	57	6	11	7	_ 23	46.5	51	81	94	264	1464	84.6
47483	60	8	10	3	19	39.5	80	85	80	279	1550	89.6
73783	57	7	5	5	_17	33.5	83	75	70	211	1466	84.7
74392	77	16	9	5	26	55.5	88	64	83	_233	1465	84.7
70042	65	12	16	5	34	66.5	91	88	90	230	1539	89.0
72856	59	4	8	10	13	34.5	69	87	86	255	1553	89.8
45309	40	4	8	2	18	32	80	92	82	269	1567	90.6
74165	72	11	17	8	36	72	87	91	98	300	1637	94.6
72922	61	_17	16	3	36	71.5	95	98	98	281	1687	97.5
75053	54	17	13	15	25	69.5	95	89	100	273	1623	93.8
72923	70	3	10	6	23	42	54	54	59	242	1374	79.4
70895	57	7	7	6	22	42	70	74	84	_233	1507	87.1
76237	64	9	14	11	25	58.5	79	76	74	196	1467	84.8
70583	67	9	12	7	12	40	68	61	62	208	1338	77.3
73781	56	6	8	10	17	41	74	78	85	257	1558	90.1
73659	69	20	17	3	37	77	96	99	100	300	1701	98.3
75661	60	4	8	5	23	40	78	58	77	220	1438	83.1
74295	60	8	8	7	11	34	60	66	67	167	1319	76.2
72008	60	7	12	9	28	56	65	78	87	276	1523	88.0
70535	61	7	8	2	16	32.5	63	69	64	206	1411	81.6
76588	57	11	13	10	22	55.5	84	82	93	250	1581	91.4
73420	26	7	.5	3	12	26.5	71	62	69	234	1452	83.9

73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817													
75407         60         4         3         3         10         19.5         85         81         70         253         1477         85.4           73217         78         19         17         10         26         72         86         89         91         292         1619         93.6           72931         62         7         8         6         16         37         80         86         95         266         1580         91.3           71899         65         5         12         7         28         51.5         73         77         92         266         1580         90.6           93219         49         4         5         7         12         28         51         75         69         82         266         1508         87.2           73140         54         11         10         7         26         53.5         65         79         245         1531         88.72           73140         54         11         10         27         25.5         5.5         65         73         68         241         1422         82.2           70332	71936	67	3	15	7	31	56	75	83	90	289	1537	88.8
73217         78         19         17         10         26         72         86         89         91         292         1619         93.6           72931         62         7         8         6         16         37         80         86         95         266         1580         91.3           71899         65         5         12         7         28         51.5         73         77         92         266         1568         90.6           93219         49         4         5         7         12         28         80         81         83         221         1470         85.0           73140         54         11         10         7         26         53.5         85         94         90         261         1533         85.5           71671         69         10         6         4         22         42         90         88         79         245         1531         88.5           7160         6         13         10         71         30         82         79         81         255         1526         88.2           70170         60	72834	49	12	13	4	20	48.5	93	81	84	268	1581	91.4
72931         62         7         8         6         16         37         80         86         95         266         1580         91.3           71899         65         5         12         7         28         51.5         73         77         92         266         1568         90.6           93219         49         4         5         7         12         28         80         81         83         221         1470         85.0           75533         64         7         12         4         28         51         75         69         82         266         1508         87.2           73140         54         11         10         7         26         53.5         85         94         90         251         1593         92.1           72558         61         10         6         4         22         42         90         88         79         245         1531         88.5           7160         6         7         13         9         27         55.5         65         73         68         241         1422         82.2           70321         73	75407	60	4	3	3	10	19.5	85	81	70	253	1477	85.4
71899         65         5         12         7         28         51.5         73         77         92         266         1568         90.6           93219         49         4         5         7         12         28         80         81         83         221         1470         85.0           75533         64         7         12         4         28         51         75         69         82         266         1508         87.2           73140         54         11         10         7         26         53.5         85         94         90         251         1593         92.1           72558         51         10         6         4         22         42         90         88         79         245         1531         88.5           71671         69         7         13         9         27         55.5         65         73         68         241         1422         82.2           70332         68         3         11         3         21         28         279         81         255         16.8           70671         6         6         7<	73217	78	19	_17	10	26	72	86	89	91	292	1619	93.6
93219         49         4         5         7         12         28         80         81         83         221         1470         85.0           75533         64         7         12         4         28         51         75         69         82         266         1508         87.2           73140         54         11         10         7         26         53.5         85         94         90         251         1593         92.1           72558         51         10         6         4         22         42         90         88         79         245         1531         88.5           71671         69         7         13         9         27         55.5         65         73         68         241         1422         82.2           70332         68         3         11         3         21         38         58         64         72         186         1328         76.8           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.99           741831 <t< td=""><td>72931</td><td>62</td><td>_ 7</td><td>8</td><td>6</td><td>16</td><td>37</td><td>80</td><td>86</td><td>95</td><td>266</td><td>1580</td><td>91.3</td></t<>	72931	62	_ 7	8	6	16	37	80	86	95	266	1580	91.3
75533         64         7         12         4         28         51         75         69         82         266         1508         87.2           73140         54         11         10         7         26         53.5         85         94         90         251         1593         92.1           72558         51         10         6         4         22         42         90         88         79         245         1531         88.5           71671         69         7         13         9         27         55.5         65         73         68         241         1422         82.2           70332         68         3         11         3         21         38         58         64         72         186         1328         76.8           71182         60         4         12         10         26         52         82         71         93         269         1584         91.6           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.93           74639         <	71899	65	5	12	7	28	51.5	73	77	92	266	1568	90.6
73140         54         11         10         7         26         53.5         85         94         90         251         1593         92.1           72558         51         10         6         4         22         42         90         88         79         245         1531         88.5           71671         69         7         13         9         27         55.5         65         73         68         241         1422         82.2           70332         68         3         11         3         21         38         58         64         72         186         1328         76.8           71182         60         4         12         10         26         52         82         71         93         269         1584         91.6           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.9           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         <	93219	49	4	5	7	12	28	80	81	83	221	1470	85.0
72558         51         10         6         4         22         42         90         88         79         245         1531         88.5           71671         69         7         13         9         27         55.5         65         73         68         241         1422         82.2           70332         68         3         11         3         21         38         58         64         72         186         1328         76.8           71182         60         4         12         10         26         52         82         71         93         269         1584         91.6           700717         60         6         7         5         10         27.5         67         59         69         184         1296         74.93           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74183	75533	64	7	12	4	28	51	75	69	82	266	1508	87.2
71671         69         7         13         9         27         55.5         65         73         68         241         1422         82.2           70332         68         3         11         3         21         38         58         64         72         166         1328         76.8           71182         60         4         12         10         26         52         82         71         93         269         1584         91.6           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.9           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         5         21         53         92         90         92         2285         1659         95.9           72844	73140	54	11	10	7	26	53.5	85	94	90	251	1593	92.1
70332         68         3         11         3         21         38         58         64         72         186         1328         76.8           71182         60         4         12         10         26         52         82         71         93         269         1584         91.6           70671         65         3         10         7         17         37         82         79         81         255         1526         88.2           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.9           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         52         5.5         59         90         92         285         1659         95.9           72319         66	72558	51	10	6	4	22	42	90	88	79	245	1531	88.5
71182         60         4         12         10         26         52         82         71         93         269         1584         91.6           70671         65         3         10         7         17         37         82         79         81         255         1526         88.2           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.9           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         5         21         53         92         90         92         285         1659         95.9           72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2           72402	71671	69	7	13	9	27	55.5	65	73	68	241	1422	82.2
70671         65         3         10         7         17         37         82         79         81         255         1526         88.2           70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.9           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         5         21         53         92         90         92         285         1659         95.9         95.9         72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2         2         74         69         74         203         1404         81.2         74091         70         16         10         6         22         53.5         93         77	70332	68	3	11	3	21	38	58	64	72	186	1328	76.8
70170         60         6         7         5         10         27.5         67         59         69         184         1296         74.9           74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         5         21         53         92         90         92         285         1659         95.9           72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2           72319         66         6         8         1         83.25         74         69         74         203         1404         81.2           74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60	71182	60	4	12	10	26	52	82	71	93	269	1584	91.6
74639         75         11         13         6         23         53         88         50         57         188         1301         75.2           71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         5         21         53         92         90         92         285         1659         95.9           72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2           72319         66         6         8         1         18         32.5         74         69         74         203         1404         81.2           74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60         11         15         3         21         49.5         93         89         84         254         1569         90.7           72480	70671	65	3	10	7	17	37	82	79	81	255	1526	88.2
71831         57         10         12         11         24         56.5         90         88         97         275         1637         94.6           74186         79         14         13         5         21         53         92         90         92         285         1659         95.9           72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2           72319         66         6         8         1         18         32.5         74         69         74         203         1404         81.2           74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60         11         15         3         21         49.5         93         96         100         283         1672         96.6           72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480 <td>70170</td> <td>60</td> <td>6</td> <td>7</td> <td>5</td> <td>_10</td> <td>27.5</td> <td>67</td> <td>59</td> <td>69</td> <td>184</td> <td>1296</td> <td>74.9</td>	70170	60	6	7	5	_10	27.5	67	59	69	184	1296	74.9
74186         79         14         13         5         21         53         92         90         92         285         1659         95.9           72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2           72319         66         6         8         1         18         32.5         74         69         74         203         1404         81.2           74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60         11         15         3         21         49.5         93         96         100         283         1672         96.6           72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556	74639	75	11	13	6	23	53	88	50	57	188	1301	75.2
72844         60         5         10         11         20         45.5         71         75         81         265         1439         83.2           72319         66         6         8         1         18         32.5         74         69         74         203         1404         81.2           74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60         11         15         3         21         49.5         93         96         100         283         1672         96.6           72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           75567 <td>71831</td> <td>57</td> <td>10</td> <td>12</td> <td>11</td> <td>24</td> <td>56.5</td> <td>90</td> <td>88</td> <td>97</td> <td>275</td> <td>1637</td> <td>94.6</td>	71831	57	10	12	11	24	56.5	90	88	97	275	1637	94.6
72319         66         6         8         1         18         32.5         74         69         74         203         1404         81.2           74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60         11         15         3         21         49.5         93         96         100         283         1672         96.6           72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047	74186	79	14	13	_ 5	21	53	92	90	92	285	1659	95.9
74091         70         16         10         6         22         53.5         93         77         93         240         1537         88.8           70422         60         11         15         3         21         49.5         93         96         100         283         1672         96.6           72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           755757	72844	60	5	10	11	_20	45.5	71	75	81	265	1439	83.2
70422         60         11         15         3         21         49.5         93         96         100         283         1672         96.6           72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373	72319	66	6	8	1	18	32.5	74	69	74	203	1404	81.2
72634         63         17         11         1         26         54.5         93         89         84         254         1569         90.7           72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         <	74091	70	16	10	6	22	53.5	93	77	93	240	1537	88.8
72480         54         5         13         8         5         30.5         77         77         71         186         1429         82.6           73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         <	70422	60	_11	15	3	21	49.5	93	96	100	283	1672	96.6
73556         59         10         15         12         29         65.5         83         74         77         283         1549         89.5           74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817	72634	63	_17	11	1	26	54.5	93	89	84	254	1569	90.7
74084         57         5         8         8         10         31         73         63         88         206         1426         82.4           72047         71         7         6         62         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69 <t< td=""><td>72480</td><td>54</td><td>5</td><td>13</td><td>8</td><td>5</td><td>30.5</td><td>77</td><td>77</td><td>71</td><td>186</td><td>1429</td><td>82.6</td></t<>	72480	54	5	13	8	5	30.5	77	77	71	186	1429	82.6
72047         71         7         6         6         26         44.5         73         90         19         266         1550         89.6           75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495 <t< td=""><td>73556</td><td>59</td><td>10</td><td>15</td><td>12</td><td>29</td><td>65.5</td><td>83</td><td>74</td><td>77</td><td>283</td><td>1549</td><td>89.5</td></t<>	73556	59	10	15	12	29	65.5	83	74	77	283	1549	89.5
75567         62         7         7         3         13         30         75         69         72         196         1418         82.0           75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580 <td< td=""><td>74084</td><td>57</td><td>5</td><td>8</td><td>8</td><td>10</td><td>31</td><td>73</td><td>63</td><td>88</td><td>206</td><td>1426</td><td>82.4</td></td<>	74084	57	5	8	8	10	31	73	63	88	206	1426	82.4
75373         73         5         10         14         16         45         64         77         82         199         1390         80.3           75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837	72047	71	7	6	6	26	44.5	73	90	19	266	1550	89.6
75077         55         4         13         6         17         39.5         62         85         100         266         1572         90.9           74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047	75567	62	7	7	3	13	30	75	69	72	196	1418	82.0
74693         66         18         13         15         17         63         88         82         74         241         1541         89.1           70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799	75373	73	5	10	14	16	45	64	77	82	199	1390	80.3
70817         58         10         10         4         17         41         80         86         82         258         1519         87.8           74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549	75077	55	4	13	6	17	39.5	62	85	100	266	1572	90.9
74470         69         8         15         8         33         64         78         94         90         277         1590         91.9           74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116	74693	66	18	13	15	17	63	88	82	74	241	1541	89.1
74495         75         9         12         4         29         54         87         97         96         279         1660         96.0           71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767 <td>70817</td> <td>58</td> <td>10</td> <td>10</td> <td>4</td> <td>17</td> <td>41</td> <td>80</td> <td>86</td> <td>82</td> <td>258</td> <td>1519</td> <td>87.8</td>	70817	58	10	10	4	17	41	80	86	82	258	1519	87.8
71580         53         12         13         3         28         55.5         81         91         93         276         1587         91.7           74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834 <td>74470</td> <td>69</td> <td>8</td> <td>15</td> <td>8</td> <td>33</td> <td>64</td> <td>78</td> <td>94</td> <td>90</td> <td>277</td> <td>1590</td> <td>91.9</td>	74470	69	8	15	8	33	64	78	94	90	277	1590	91.9
74837         63         20         15         4         30         68.5         98         95         94         280         1677         96.9           75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834         40         8         10         6         20         44         85         91         100         257         1589         91.8           74694	74495	75	9	12	4	29	54	87	97	96	279	1660	96.0
75047         59         11         12         3         22         47.5         81         88         82         254         1550         89.6           73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834         40         8         10         6         20         44         85         91         100         257         1589         91.8           74694         56         15         11         11         34         70.5         85         85         79         277         1509         87.2	71580	53	12	13	3	28	55.5	81	91	93	276	1587	91.7
73799         58         15         11         11         16         52.5         68         62         52         201         1299         75.1           73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834         40         8         10         6         20         44         85         91         100         257         1589         91.8           74694         56         15         11         11         34         70.5         85         85         79         277         1509         87.2	74837	63	20	15	4	30	68.5	98	95	94	280	1677	96.9
73549         69         11         11         4         28         53.5         82         92         98         296         1626         94.0           75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834         40         8         10         6         20         44         85         91         100         257         1589         91.8           74694         56         15         11         11         34         70.5         85         85         79         277         1509         87.2	75047	59	11	12	3	22	47.5	81	88	82	254	1550	89.6
75116         72         8         11         10         13         41.5         75         50         67         164         1281         74.0           70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834         40         8         10         6         20         44         85         91         100         257         1589         91.8           74694         56         15         11         11         34         70.5         85         85         79         277         1509         87.2	73799	58	15	11	11	16	52.5	68	62	52	201	1299	75.1
70767         53         9         9         5         6         28.5         79         66         78         250         1499         86.6           70834         40         8         10         6         20         44         85         91         100         257         1589         91.8           74694         56         15         11         11         34         70.5         85         85         79         277         1509         87.2	73549	69	_11	11	4	28	53.5	82	92	98	296	1626	94.0
70834     40     8     10     6     20     44     85     91     100     257     1589     91.8       74694     56     15     11     11     34     70.5     85     85     79     277     1509     87.2	75116	72	8	11	10	13	41.5	75	50	67	164	1281	74.0
74694 56 15 11 11 34 70.5 85 85 79 277 1509 87.2	70767	53	9	_ 9	5	6	28.5	79	_66	78	250	1499	86.6
	70834	40	8	10	6	20	44	85	91	100	257	1589	91.8
70404 63 4 10 6 26 45.5 80 78 79 272 1566 90.5	74694	56	15	11	11	34	70.5	85	85	79	277	1509	87.2
	70404	63	4	10	6	26	45.5	80	78	79	272	1566	90.5

70188	60	8	_11	3	21	43	86	82	85	239	1534	88.7
72279	54	8	7	2	18	35	62	53	59	242	1383	79.9
72131	61	13	11	9	27	59.5	77	66	64	231	1294	74.8
70156	61	7	12	3	20	41.5	79	80	87	276	1557	90.0
71944	57	6	9	- 3	8	25.5	63	60	60	180	1307	75.5
74734	69	14	8	5	26	53	84	63	71	234	1461	84.5
72626	57	4	9	3	20	36	63	53	64	189	1298	75.0
72496	59	19	14	3	27	62.5	94	87	87	266	1552	89.7
70414	55	5	7	9	15	35.5	59	61	61	191	1327	76.7
73819	56	8	8	. 4	_12	32	75	65	60	154	1342	77.6
76282	66	7	14	4	34	59	86	95	93	292	1642	94.9
70173	75	15	18	5	36	74	95	97	98	299	1675	96.8
76454	57	8	14	11	27	59.5	88	99	97	293	1622	93.8
74471	62	8	9	5	21	42.5	73	84	67	201	1469	84.9
73243	71	6	11	4	26	46.5	72	81	84	268	1548	89.5
72114	77	16	14	5	29	63.5	91	82	83	247	1513	87.5
72780	63	9	13	8	15	45	7,1	55	. 61	208	1296	74.9
75103	81	13	9	6	10	37.5	.83	70	85	256	1498	86.6
72010	67	_11	11	_6	_21	48.5	81	79	81	227	1463	84.6
70533	62	7	1.1	5	23	46	73	75	72	.238	1475	85.3
73261	67	20	10	7	20	56.5	87	90	95	280	1627	94.0
71078	76	20	18	6	: 33	76.5	92	92	92	294	1669	96.5
70181	53	18	9	6	28	60.5	96	83	82	217	1517	87.7
71342	47	10	6	6	17	38.5	89	77	94	264	1591	92.0
72273	76	20	15	. 5	34	73.5	97	95	86	292	1657	95.8
72535	69	14	14	4	30	62	80	84	83	266	1489	86.1
45815	54	7	3	6	13	29	75	85	76	229	1462	84.5
73426	57	7	13	4	22	46	65	78	84	259	1523	88.0
73986	59	6	9	2	12	28.5	73	77	87	181	1466	84.7
71560	64	. 5	11	2	16	33.5	63	73	77	228	1484	85.8
70501	66	7	1.0	-6	16	39	71	81	7.9	256	1524	88.1
72097	53	12	14	7	20	52.5	7.9	81	89	257	1516	87.6
75086	57	8	10	3	20	40.5	. 68	50	50	169	1102	63.7
73941	56	19	11	2	28	59:5	92	78	75	251	1530	1
74692	. 75	17	17	5	19	57.5	94	91	93	268	1652	95.5
72160	63	9	10	3	23	44:5	59	78	85	259	1495	86.4
70993	57	9	11	10	25	54.5	77	74	87	257	1497	86.5
74442	69	11	15	3	22	50.5	82	-81	91	271	1586	91.7
70961	63	_ 5	5	4	13	27	82	71	82	240	1530	88.4
71927	54	7	_12	6	17	41.5	83	76	88	220	1540	89.0
73609	70	17	16	4	12	49	96	88	97	250	1631	94.3
70209	73	3	10	8	13	33:5	61	74	73	189	1378	79.7
73930	66	11	17	8	22	57.5	81	84	96	268	1569	90.7
75513	63	8	12	6	29	54.5	82	89	89	227	1550	89:6

		r			- 1		—			1	· · ·	
72292	47	5	12	9	_22	48	78	84	80	249	1507	87.1
75740	66	9	15	7	27	58	74	79	80	245	1337	77.3
71301	7.8	19	15	6	28	68	97	93	94	278	1652	95.5
70349	81	9	13	3	19	43.5	72	56	64	209	1400	80.9
74178	57	. 6	_14	- 7	- 26	52.5	82	93	- 95	277	-1597	92.3
74924	67	. 9	12	_1	_26	48	89	93	99	292	1676	96.9
73683	62	17	11	11	24	62.5	88	81	84	233	1497	86.5
72197	69	17	14	5	33	68.5	92	88	7.7	252	1497	86.5
75721	70	11	16	4	37	68	95	93	100	300	1691	97.7
74020	57	7	10	8	19	44	72	65	68	187	1385	80.1
72883	71	14	13	10	28	65	91	87	87	262	1599	92.4
72259	57	5	4	5	8	22	75	72	60	229	1406	81.3
73436	59	8	14	5	22	48.5	83	80	86	273	1495	86.4
73153	56	6	10	9	10	35	86	76	85	213	1514	87.5
72811	51	5	11	11	32	59	86	89	91	292	1619	93.6
73088	75	16	17	6	34	73	98	98	99	300	1719	99.4
72404	60	-9	11	9	27	56	85	89	94	286	1604	92.7
72040	73	3	1	5	7	16	- 86	68	70	210	1397	_80.8
85116	63	13	14	. 5	32	64	96	98	99	_292	1693	97.9
72722	60	9	10	5	32	55.5	81	78	78	280	1566	90.5
74578	56	-6	8	7	21	41.5	82	86	99	280	1589	91.8
76392	72	15	. 8	16	31	. 70	92	72	81	285	1589	91.8
72637	57	7	6	6	13	32	69	66	65	195	1375	79.5
70576	63	9	9	5	12	34.5	54	50	62	208	1271	73.5
76292	48	6	11	3	14	34	81	82	91	277	1566	90.5
72316	61	. 9	11	5	14	38.5	82	65	75	249	1476	85.3
71627	62	12	15	4	23	53.5	95	91	97	266	1647	95.2
71539	56	5	10	11	19	45	72	78	87	238	1477	85.4
74757	60	3	10	1	15	29	68	64	82	219	1460	84.4
73342	78	18	13	-16	31	77.5	96	96	99	295	1679	97.1
92142	51	5	11	5	21	41.5	63	81	73	199	1431	82.7
73637	44	8	8	14	21	50.5	87	93	91	256	1602	92.6
73602	60	2	8	2	10	21.5	72	86	78	256	1505	87.0
71789	25	- 6	12	4	26	47.5	74	91	93	276	1578	91.2
70402	57	6	8	12	16	41.5	61	82	84	243	1438	83.1
74834	. 57	11	14	7	23	54.5	90	96	96	271	1622	93.8
73900	55	14	. 12	11	27	63.5	89	91	99	277	1657	
70642	57	7	11	4	21	42.5	82	93	97	274	1622	93.8
72684	65	11	12	8	20	51	94	89	82	280	1596	92.3
75616	77	5	6	. 5	12	27.5	64	68	69	198	1,398	
71385		6	14	5	26	51	.87	85	94	276	. 1601	92.5
72369				7	24	56	.87	74	86	249	1547	
70884			16		30			88	86		1574	
72069				3	13				14 .		1536	
				•			•		• • • •			

T5461   57													
T1032	70119	63	8	12	8	22	50	90	84	95	273	1612	93.2
75875         43         3         6         7         14         30         61         72         80         247         1418         82           72249         56         11         15         9         19         54         77         67         80         202         1346         77           71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1393         80           71187         65	75461	57	4	. 7	_6	12	28.5	73	72	80	257	1532	88.6
72249         56         11         15         9         19         54         77         67         80         202         1346         77           71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65 </td <td>71032</td> <td>87</td> <td>19</td> <td>16</td> <td>9</td> <td>36</td> <td>79.5</td> <td>99</td> <td>99</td> <td>100</td> <td>300</td> <td>1723</td> <td>99.6</td>	71032	87	19	16	9	36	79.5	99	99	100	300	1723	99.6
71552         59         15         14         12         23         64         83         58         76         243         1322         76           74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         199         60         15         16         3         12         24         45.5         87         74         87         25         1562         90           711649         53         13         11 <td>75875</td> <td>43</td> <td>3</td> <td>6</td> <td>7</td> <td>14</td> <td>30</td> <td>61</td> <td>72</td> <td>80</td> <td>247</td> <td>1418</td> <td>82.0</td>	75875	43	3	6	7	14	30	61	72	80	247	1418	82.0
74674         57         5         11         4         25         44.5         72         92         99         282         1617         93           71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1995         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         277         1592         92           71489         53<	72249	56	11	15	9	- 19	54	77	- 67	80	202	1346	77.8
71161         56         4         6         3         18         30.5         68         60         62         204         1337         77           72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         77         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         13         1         22         45.5         87         74         87         275         1562         90           71489         53         13         11         15         32         60.5         78         78         87         277         1592         92           74489         53         13         11         12         421         48         82         69         90         211         1524         88           72806 <td< td=""><td>71552</td><td>59</td><td>15</td><td>14</td><td>12</td><td>23</td><td>64</td><td>83</td><td>58</td><td>76</td><td>243</td><td>1322</td><td>76.4</td></td<>	71552	59	15	14	12	23	64	83	58	76	243	1322	76.4
72721         72         9         14         12         22         56.5         76         73         68         263         1530         88           76166         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71489         53         13         11         5         32         60.5         78         87         87         152         1563         90           74489         53         13         11         12         4         21         48         82         69         90         211         1524         88         72         74 </td <td>74674</td> <td>57</td> <td>5</td> <td>11</td> <td>4</td> <td>25</td> <td>44.5</td> <td>72</td> <td>92</td> <td>99</td> <td>282</td> <td>1617</td> <td>93.5</td>	74674	57	5	11	4	25	44.5	72	92	99	282	1617	93.5
71616         53         11         16         12         29         67.5         88         90         98         293         1642         94           76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         12         4         21         48         82         69         90         211         1524         88           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75 </td <td>71161</td> <td>56</td> <td>4</td> <td>6</td> <td>3</td> <td>18</td> <td>30.5</td> <td>68</td> <td>60</td> <td>62</td> <td>204</td> <td>1337</td> <td>77.3</td>	71161	56	4	6	3	18	30.5	68	60	62	204	1337	77.3
76035         57         17         7         9         10         42.5         91         64         75         152         1395         80           71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         78         87         274         1563         90           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75 </td <td>72721</td> <td>72</td> <td>9</td> <td>14</td> <td>12</td> <td>22</td> <td>56.5</td> <td>76</td> <td>73</td> <td>68</td> <td>263</td> <td>1530</td> <td>88.4</td>	72721	72	9	14	12	22	56.5	76	73	68	263	1530	88.4
71187         65         10         15         8         27         60         85         85         73         290         1574         91           73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66<	71616	53	11	16	12	29	67.5	88	90	98	293	1642	94.9
73676         52         10         13         1         22         45.5         87         74         87         275         1562         90           71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         6	76035	57	17	- 7	9	10	42.5	91	64	75	152	1395	80.6
71564         65         20         12         6         29         66.5         88         78         91         265         1592         92           71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           7324         78         9 </td <td>71187</td> <td>65</td> <td>10</td> <td>15</td> <td>. 8</td> <td>27</td> <td>60</td> <td>85</td> <td>85</td> <td>73</td> <td>290</td> <td>1574</td> <td>91.0</td>	71187	65	10	15	. 8	27	60	85	85	73	290	1574	91.0
71489         53         13         11         5         32         60.5         78         78         87         277         1592         92           74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19	73676	52	10	13	1	22	45.5	87	74	87	275	1562	90.3
74612         65         11         13         11         26         61         96         78         95         274         1563         90           72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66	71564	65	20	12	6	29	66.5	88	78	91	265	1592	92.0
72839         62         11         12         4         21         48         82         69         90         211         1524         88           72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           76377         65<	71489	. 53	13	11	5	32	60.5	78	78	. 87.	277	1592	92.0
72606         75         16         13         5         25         58.5         93         88         70         284         1607         92           73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70877	74612	65	11	13	11	26	61	96	78	95	274	1563	90.3
73418         66         15         15         7         30         66.5         91         96         96         297         1684         97           75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           72862         58 </td <td>72839</td> <td>62</td> <td>11</td> <td>12</td> <td>4</td> <td>21</td> <td>48</td> <td>82</td> <td>69</td> <td>90</td> <td>211</td> <td>1524</td> <td>88.1</td>	72839	62	11	12	4	21	48	82	69	90	211	1524	88.1
75709         60         6         13         2         29         49.5         71         79         76         244         1494         86           73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         89         290         1624         93           72132         57	72606	75	16	13	5	25	58.5	93	88	70	284	1607	92.9
73724         78         9         12         13         17         50.5         77         80         83         270         1518         87           73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57	73418	66	15	15	7	30	66.5	91	96	. 96	297	1684	97.3
73440         87         19         19         6         38         82         97         100         100         300         1719         99           74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59 <td>75709</td> <td>60</td> <td>6</td> <td>13</td> <td>_ 2</td> <td>29</td> <td>49.5</td> <td>71</td> <td>79</td> <td>76</td> <td>244</td> <td>1494</td> <td>86.4</td>	75709	60	6	13	_ 2	29	49.5	71	79	76	244	1494	86.4
74656         66         18         13         5         16         52         82         61         66         165         1331         76           72678         63         18         16         10         23         66:5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57 <td>73724</td> <td>78</td> <td>:9</td> <td>12</td> <td>13</td> <td>.17</td> <td>50.5</td> <td>77</td> <td>80</td> <td>83</td> <td>270</td> <td>1518</td> <td>87.7</td>	73724	78	:9	12	13	.17	50.5	77	80	83	270	1518	87.7
72678         63         18         16         10         23         66.5         89         70         86         235         1451         83           70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74803         61 <td>73440</td> <td>87</td> <td>19</td> <td>19</td> <td>6</td> <td>38</td> <td>82</td> <td>97</td> <td>100</td> <td>100</td> <td>300</td> <td>1719</td> <td>99.4</td>	73440	87	19	19	6	38	82	97	100	100	300	1719	99.4
70873         57         4         9         6         12         31         61         75         75         203         1369         79           76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61 <td>74656</td> <td>66</td> <td>18</td> <td>13</td> <td>5</td> <td>16</td> <td>52</td> <td>82</td> <td>61</td> <td>66</td> <td>165</td> <td>1331</td> <td>76.9</td>	74656	66	18	13	5	16	52	82	61	66	165	1331	76.9
76377         65         7         10         5         29         51         89         89         98         290         1624         93           72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57<	72678	63	18	16	- 10	23	66.5	89	70	86	235	1451	83.9
72862         58         16         14         3         33         66         95         99         100         295         1694         97           72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61<	70873	57	4	9	6	12	31	61	75	75	203	1369	79.1
72132         57         16         11         10         28         64.5         90         86         84         246         1555         89           71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56 <td>76377</td> <td>65</td> <td>. 7</td> <td>10</td> <td>. 5</td> <td>. 29</td> <td>51</td> <td>- 89</td> <td>89</td> <td>98</td> <td>290</td> <td>1624</td> <td>93.9</td>	76377	65	. 7	10	. 5	. 29	51	- 89	89	98	290	1624	93.9
71987         59         13         13         8         21         54.5         84         90         82         257         1593         92           74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71054         63	72862	58	16	14	3	33	66	95	99	100	295	1694	97.9
74888         57         9         11         8         16         43.5         72         70         87         258         1521         87           74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63	72132	57	16	11	10	28	64.5	90	86	84	246	1555	89.9
74523         56         10         14         14         30         67.5         86         84         94         290         1581         91           72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43	71987	59	13	13	8	21	54.5	84	90	82	257	1593	92.1
72308         61         8         10         13         25         56         86         81         89         251         1568         90           71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66	74888	57	9	. 11	8	16	43.5	72	70	87	258	1521	87.9
71876         57         12         9         6         21         48         77         56         64         231         1362         78           71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57	74523	56	10	14	14	30	67:5	86	84	94	290	1581	91.4
71420         61         9         12         3         22         46         77         79         77         221         1481         85           76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57         2         6         3         7         18         88         76         77         179         1445         83	72308	61	8	10	13	25	56	86	81	89	251	1568	90.6
76216         56         7         12         6         17         41.5         81         77         91         257         1542         89           71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57         2         6         3         7         18         88         76         77         179         1445         83	71876	57	12	9	6	21	48	_ 77	56	64	231	1362	78.7
71255         57         6         8         6         17         36.5         73         82         75         232         1507         87           71054         63         17         13         13         27         69.5         86         87         92         274         1619         93           70691         43         17         10         9         9         45         87         73         78         201         1451         83           73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57         2         6         3         7         18         88         76         77         179         1445         83	71420	61	9	.12	. 3	22	46	77	79	77	221	1481	85.6
71054     63     17     13     13     27     69.5     86     87     92     274     1619     93       70691     43     17     10     9     9     45     87     73     78     201     1451     83       73901     66     7     8     6     9     29.5     73     54     71     205     1435     82       71295     57     2     6     3     7     18     88     76     77     179     1445     83	76216	56	. 7	12	6	17	41.5	81	7.7	91	257	1542	89.1
70691     43     17     10     9     9     45     87     73     78     201     1451     83       73901     66     7     8     6     9     29.5     73     54     71     205     1435     82       71295     57     2     6     3     7     18     88     76     77     179     1445     83	71255	57	6	8	6	17	36.5	73	82	75	232	1507	87.1
73901         66         7         8         6         9         29.5         73         54         71         205         1435         82           71295         57         2         6         3         7         18         88         76         77         179         1445         83	71054	63	17	. 13	13	27	69.5	86	87	92	274	1619	93.6
71295 57 2 6 3 7 18 88 76 77 179 1445 83	70691	43	17	10	9	9	45	87	73	78	201	1451	83.9
	73901	66	7	8	6	9	29.5	73	54	71	205	1435	82.9
70228 76 13 15 4 33 64.5 95 94 92 296 1645 95	71295	57	2	6	3	. 7	18	88	76	77	179	1445	83.5
	70228	76	13	15	4	33	64.5	95	94	92	296	1645	95.1
73195 60 9 12 8 9 38 82 73 78 204 1435 82	73195	60	9	12	8	9	38	82	73	78	204	1435	82.9
71341 72 7 12 3 27 49 72 78 86 251 1527 88	71341	72	7	12	3	27	49	72	78	86	251	1527	88.3
75089 75 9 10 7 23 48.5 84 72 98 262 1593 92	75089	75	9	10	7	23	48.5	84	72	98	262	1593	92.1

72771	.58	3	9	5	15	32	88	83	92	254	1600	92.5
72477	49	3	10	6	14	33	81	88	88	258	1601	92.5
71977	72	5	9	6	18	37.5	56	_ 59	51	158	1210	69.9
71061	58	4	11	6	22	43	57	73	71	212	1381	79.8
72347	59	7	13	6	19	45	84	79	96	294	1585	91.6
72547	78	10	13	4	21	47.5	68	89	85	232	1503	86.9
70676	70	18	12	4	27	61	83	88	90	260	1542	89.1
76271	62	10	12	9	29	60	92	89	96	270	1647	95.2
71946	56	7	9	8	15	38.5	89	64	83	228	1522	88.0
75836	57	5	12	. 4	_24	44.5	72	90	88	250	1520	87.9
72500	68	8	10	5	28	50.5	66	59	60	253	1416	81.8
75418	60	5	10	4	21	40	_ 56	54	66	196	1319	76.2
71218	55	7	7	2	9	24.5	66	52	63	191	1246	72.0
81813	51	19	7	9	_11	45.5	92	56	60	198	1267	73.2
71183	57	5	8	13	12	37.5	67	76	80	222	1489	86.1
70825	66	7	13	3	25	48	69	68	89	235	1425	82.4
70601	53	14	18	13	25	69.5	92	95	95	287	1666	96.3
70416	85	17	15	15	33	79.5	88	85	87	293	1641	94.9
75171	54	8	8	10	_23	48.5	77	80	66	242	1460	84.4
73264	56	13	8	5	15	40.5	66	51	52	204	1201	69.4
70943	68	8	12	2	33	55	74	95	94	287	1639	94.7
74474	58	7	11	7	28	52.5	83	94	99	281	1658	95.8
72802	57	14	16	7	25	61.5	93	95	98	283	1649	95.3
72136	84	17	19	17	39	92	95	96	89	291	1665	96.2
71545	52	18	14	7	29	67.5	99	92	100	279	1674	96.8
70552	31	7	9	2	12	30	74	60	64	219	1399	80.9
72636	59	7	9	5	19	40	58	61	61	232	1424	82.3
71815	67	19	8	. 8	14	48.5	75	50	58	190	1227	70.9
72080	43	7	7	8	16	37.5	71	52	61	190	1242	71.8
70796	73	13	18	7	34	71.5	75	94	93	281	1593	92.1
71062	50	9	12	4	22	46.5	83	83	69	268	1538	88.9
70240	49	14	8	7	26	55	75	58	70	256	1421	82.1
72383	75	18	13	5	35	71	98	95	98	278	1666	96.3
71648	59	8	9	7	25	48.5	69	84	73	267	1517	87.7
70818	65	12	12	6	_18	48	80	68	70	247	1444	83.5
73335	61	15	12	7	24	58	92	85	92	277	1625	93.9
71911	57	5	11	10	18	43.5	87	76	79	261	1543	89.2
76491	66	4	15	3	24	46	76	78	82	245	1428	82.5
71367	63	4	13	2	25	43.5	59	78	80	282	1524	88.1
76527	66	10	17	2	36	65	89	91	94	292	1641	94.9
73282	59	17	12	_ 4	29	61.5	95	79	89	280	1587	91.7
70945	69	17	12	2	29	60	97	88	92	265	1632	94.3
74000												
74629	66	15	13	3	28	58.5	95	88	99	290	1686	97.5

			T									
74422	68	6	10	4	31	51	65	83	82	281	1489	86.1
74379	57	10	12	13	14	49	89	85	87	242	1556	89.9
70693	63	8	11	10	31	59.5	90	95	98	296	1677	96.9
75874	62	6	11	8	18	42.5	73	55	58	241	1357	78.4
72014	69	13	13	5	20	50.5	89	81	86	250	1508	87.2
70456	61	18	13	3	30	64	89	81	87	259	1536	88.8
74511	61	17	11	9	18	54.5	95	64	74	230	1415	81.8
73399	82	19	11	5	30	65	_96	93	90	276	1607	92.9
70776	69	8	11	2	30	51	93	98	100	290	1673	96.7
72058	55	11	12	6	28	56.5	88	92	94	291	1661	96.0
71615	52	8	12	8	28	55.5	86	98	97	283	1618	93.5
73552	62	_7	6	5	15	33	59	61	53	166	1228	71.0
75066	57	6	10	4	25	44.5	62	85	81	282	1521	87.9
74464	66	8	10	5	23	45.5	78	61	87	244	1514	87.5
70758	64	6	14	5	34	58.5	76	95	95	270	1617	93.5
70455	51	19	13	10	20	61.5	93	81	91	262	1563	90.3
73887	53	4	12	11	25	51.5	63	67	90	247	1511	87.3
75517	68	13	10	10	17	49.5	94	92	95	264	1641	94.9
74456	58	6	8	5	_11	29.5	83	77	75	254	1570	90.8
72674	55	12	12	11	24	58.5	93	91	95	277	_1636	94.6
71256	63	8	14	5	26	52.5	71	82	81	254	1446	83.6
74393	58	19	16	4	33	71.5	94	88	95	289	1645	95.1
74046	54	8	10	5	20	42.5	80	72	90	282	1560	90.2
74558	50	5	9	5	16	34.5	79	91	95	264	1533	88.6
72894	57	11	13	6	24	54	92	93	94	264	1623	93.8
71651	81	11	17	17	37	81.5	69	88	90	267	1541	89.1
71565	59	8	_ 7	6	13	33.5	58	50	61	207	1241	71.7
70333	54	12	10	4	20	45.5	85	85	97	254	1598	92.4
72237	72	8	11	5	26	50	80	72	. 74	250	1446	83.6
72103	63	17	_13	11	28	68.5	95	92	96	279	1655	95.7
72208	56	5	11	9	25	49.5	_85	93	91	267	1621	93.7
75585	74	12	_11	3	27	52.5	75	89	84	246	1497	86.5
72345	70	11	18	12	29	70	77	79	80	251	1508	
75720	59	6	_11	3	16	36	_72	74	72	219	1457	84.2
70468	53	19	12	5	32	67.5	97	84	96	289	1594	92.1
75166	60	3	10	5	13	31	67	61	77	187	1370	79.2
74450	63	16	10	3	17	45.5	87	83	87	251	1580	91.3
76613	59	5	11	7	12	34.5	69	53	52	172	1229	71.0
70069	48	_ 9	8	10	20	47	92	94	91	282	1633	94.4
75448	58	6	7	7	8	27.5	87	92	80	247	1572	90.9
72499	49	6	_11	3	29	48.5	79	83	100	255	1529	88.4
75143	56	5	12	9	23	48.5	70	84	91	267	1536	88.8
		- 1			4.0	00 -	0.5	91	94	040	1585	046
70999	59	10	6	5	16	36.5	85	91	94	248	1363	91.6

70369	79	15	18	3	35	71	97	98	98	297	1703	98.4
72528	73	_10	14	6	25	55	82	81	87	282	1589	91.8
72046	50	3	5	2	20	29.5	65	69	80	271	1383	79.9
72810	51	8	9	8	22	47	89	90	95	216	1564	90.4
71360	65	10	13	4	28	55	81	91	90	283	1611	93.1
71406	72	10	13	6	28	_56.5	58	60	65	223	1366	79.0
74953	49	3	9	5	15	32	89	66	91	251	1493	86.3
82031	46	5	_12	2	8	26.5	69	65	80	213		82.0
72211	68	11	. 9	5	28	53	85	73	91	270	1569	90.7
74696	62	17	_12	5	18	52	. 89	94	96	255	1607	92.9
70559	50	_19	11	. 5	24	59	96	82	94	273	1605	92.8
72439	60	6	9	2	27	44	75	84	97	288	1635	94.5
73439	78	_11	13	-6	29	58.5	89	90	96	263	1647	95.2
72094	. 84	20	17	-3	40	79:5	96	99	100	300	1698	98.2
71245	43	9	8	4	17	38	85	87	96	266	1562	90.3
74974	64	_19	11	4	20	53.5	95	87	93	253	1596	92.3
74015	62	3	_14	5	28	49.5	63	86	91	275	1554	89.8
76440	75	17	17	7	30	71	94	95	91	276	1600	92.5
70858	70	16	8	4	21	48.5	89	85	84	243	1569	90.7
74271	69	8	_16	3	31	57.5	84	82	89	288	1550	89.6
72577	59	11	9	5	20	44.5	69	68	65	190	1304	75.4
76280	7.9	18	16	6	28	67.5	91	83	89	258	1528	88.3
70672	59	7	13	. 7	16	42.5	58	. 68	- 66	195	1347	77.9
46071	58	7	15	5	29	55.5	88	97	95	297	1653	95:5
80643	63	6	7	9	16	38	80	77	88	277	1565	90.5
72757	67	6	11	5	28	49.5	75	86	92	391	1619	93:6
76230	53	5	10	4	27	45.5	81	81	80	245	1546	89.4
72445	81			1	1	2	80	82	75			80.0
70663	57	5	12	1	11	29	64	59	63	172	1290	74.6
74548	70	15	13	4	13	45	.92	_ 79	75	254	1519	87.8
72268	65	9	_ 9	14	26	58	76	84	89	265	1557	90.0
71950	57	6	8	8	19	40.5	74	73	79	233	1505	87.0
88382	40	8	5	3	15		69	73		228	1498	
75131	53	15	_16		27	64	88	84	82	267	1536	
72025	54				21	43	76		84	269	1568	
72265	66	12	10		15	40.5	70	76	86	220	1386	
70171	75				23		74				-	
74603					26		75	78		249	1408	
73842	65				27	46.5	83			293	1633	
75466	62				15	1	85	86	<b>.</b>		1568	
75370	53				13		90	80		245	1559	
73539	71	13			19		78	73			1447	1
70400	63				18		66		:		1280	
72318	57	. 18	12	6	28	64	94	92	96	279	1650	95.4

70317         59         6         11         4         15         35.5         62         71         66         200         1355           70773         60         9         6         7         16         38         62         57         54         201         1305           73451         66         8         9         3         20         40         72         83         94         266         1578           71592         69         14         13         14         16         56.5         87         87         99         225         1576           71597         61         12         9         2         17         39.5         71         81         92         251         1558           70926         75         12         11         6         21         49.5         96         93         88         283         1650           71498         66         8         11         11         18         47.5         82         80         80         266         1549           71466         78         9         14         11         25         58.5         78         83 <th>78.3 75.4 91.2 91.1 90.1 95.4 89.5</th>	78.3 75.4 91.2 91.1 90.1 95.4 89.5
73451         66         8         9         3         20         40         72         83         94         266         1578           71592         69         14         13         14         16         56.5         87         87         99         225         1576           71597         61         12         9         2         17         39.5         71         81         92         251         1558           70926         75         12         11         6         21         49.5         96         93         88         283         1650           71498         66         8         11         11         18         47.5         82         80         80         266         1549           71466         78         9         14         11         25         58.5         78         83         75         263         1546	91.2 91.1 90.1 95.4
71592     69     14     13     14     16     56.5     87     87     99     225     1576       71597     61     12     9     2     17     39.5     71     81     92     251     1558       70926     75     12     11     6     21     49.5     96     93     88     283     1650       71498     66     8     11     11     18     47.5     82     80     80     266     1549       71466     78     9     14     11     25     58.5     78     83     75     263     1546	91.1 90.1 95.4
71597         61         12         9         2         17         39.5         71         81         92         251         1558           70926         75         12         11         6         21         49.5         96         93         88         283         1650           71498         66         8         11         11         18         47.5         82         80         80         266         1549           71466         78         9         14         11         25         58.5         78         83         75         263         1546	90.1 95.4
70926     75     12     11     6     21     49.5     96     93     88     283     1650       71498     66     8     11     11     18     47.5     82     80     80     266     1549       71466     78     9     14     11     25     58.5     78     83     75     263     1546	95.4
71498 66 8 11 11 18 47.5 82 80 80 266 1549 71466 78 9 14 11 25 58.5 78 83 75 263 1546	
71466 78 9 14 11 25 58.5 78 83 75 263 1546	89.5
	,
74239 64 9 12 4 14 38.5 83 84 93 269 1609	89.4
1 · · · · · · · · · · · · · · · · · · ·	93.0
76481 51 13 10 7 19 48.5 91 90 95 249 1621	93.7
76540 61 9 14 12 30 64.5 88 89 100 274 1659	95.9
75718 55 5 6 5 10 26 55 83 72 211 1423	82.3
73429 64 8 8 9 22 46.5 61 75 72 251 1411	81.6
70593 69 8 8 7 31 54 80 71 83 246 1483	85.7
72502 52 6 13 5 28 52 75 86 95 290 1588	91.8
72194 57 6 6 2 21 34.5 80 84 78 232 1532	88.6
72218 77 11 9 13 21 53.5 86 84 97 243 1601	92.5
70218 77 12 8 7 25 51.5 95 83 94 274 1596	92.3
73428 68 14 10 13 26 62.5 93 85 91 232 1568	90.6
71411 66 5 11 5 15 35.5 90 62 69 253 1446	83.6
72005 56 7 11 6 19 42.5 79 85 94 225 1535	88.7
71495 77 15 13 6 27 61 94 84 86 253 1573	90.9
71149 60 4 9 4 23 40 64 85 94 261 1538	88.9
72671 78 6 17 17 27 66.5 75 88 94 272 1550	89.6
71009 57 10 13 8 23 53.5 84 77 67 222 1362	78.7
70248 66 10 12 7 29 58 85 87 74 266 1537	88.8
73764 63 6 14 6 20 46 59 79 92 205 1467	84.8
73645 53 5 8 3 18 34 72 76 82 232 1430	82.7
70052 75 17 15 5 31 68 92 87 97 280 1649	95.3
73084 64 10 12 7 24 53 83 88 90 282 1557	90.0
71821 65 12 8 8 26 54 91 90 89 276 1619	93.6
71719 62 5 6 3 19 33 59 71 67 238 1418	82.0
71543 54 8 8 8 16 39.5 86 85 84 217 1519	87.8
70229 76 18 15 7 37 76.5 94 98 87 285 1626	94.0
71486 63 8 12 4 29 53 85 84 89 267 1605	92.8
74942 66 9 10 3 32 53.5 90 95 97 282 1669	96.5
73610 57 10 16 4 16 45.5 81 85 87 262 1546	89.4
71749 66 7 15 16 38 76 92 93 99 297 1661	96.0
70471 69 16 12 12 26 65.5 90 82 96 272 1630	94.2
45229 40 5 8 5 9 27 70 81 93 276 1561	90.2
72195 84 20 14 4 27 64.5 91 67 74 225 1483	85.7
73925 79 11 10 4 16 40.5 86 66 70 243 1527	_88.3
74941 69 9 14 12 20 54.5 78 63 82 231 1453	84.0
74866 63 6 10 6 18 40 78 91 97 275 1633	94.4

70503	57	6	11	3	13	32.5	88	61	74	202	1461	84.5
70191	60	7	10	3	18	37.5	76	81	91	251	1575	91.0
71031	55	11	14	2	29	56	82	87	89	257	1552	89.7
76044	83	16	_13	6	31	65.5	83	80	81	245	1435	82.9
70281	61	4	9	4	14	31	73	51	53	217	1330	76.9
73126	56	12	12	12	27	63	95	95	97	261	1653	95.5
70356	57	15	_11	6	21	52.5	85	86	87	271	1593	92.1
71730	60	6	7	3	29	44.5	86	83	97	289	1629	94.2
76310	69	15	12	13	25	64.5	85	78	81	251	1555	89.9
76075	61	_10	14	10	32	65.5	.88	84	92	280	1607	92.9
72504	81	14	12	4	32	61.5	90	91	100	288	1668	96.4
74826	57	4	12	5	22	43	61	52	66	207	1341	77.5
71447	57	6	8	4	22	40	79	69	83	240	1500	86.7
70323	57	9	10	12	21	52	87	80	78	249	1493	86.3
73364	63	6	9	5	12	32	71	58	60	_206	1413	81.7
74770	62	12	12	6	19	49	81	86	82	286	1599	92.4
70821	69	14	17	6	32	68.5	96	95	99	294	1696	98.0
72493	81	17	13	2	34	65.5	87	91	90	296	1669	96.5
75299	57	5	7	4	12	27.5	63	63	76	220	1370	79.2
75443	61	9	7	11	24	51	70	78	78	259	1532	88.6
73260	75	19	15	3	16	52.5	93	65	75	218	1474	85.2
72779	79	_18	16	_11	35	80	94	97	94	273	1659	95.9
75521	55	4	12	1	14	30.5	69	52	57	187	1349	78.0
73749	66	6	9	5	25	44.5	81	77	94	_282	1614	93.3
70178	65	5	13	15	29	62	67	72	81	260	1463	84.6
76206	70	19	13	3	28	63	98	86	98	296	1683	97.3
75510	63	5	7	5	11	27.5	77	81	87	247	1546	89.4
73235	61	5	13	4	22	44	70	86	95	266	1551	89.7
72351	67	14	10	6	28	58	93	94	96	291	1674	96.8
76556	63	7	11	10	23	51	87	86	84	279	1625	93.9
75041	81	15	14	8	33	69.5	91	93	94	267	1611	93.1
74229	60	14	15	. 8	30	67	. 99	98	. 99	300	1709	98.8
73405	73	_ 18	1,4	. 6	30	67.5	97	92	99	300	1678	97.0
74677	56	3		6	14	33	62	69	79	214	1390	
71443		11	13	3	25	52	80		91	269	1594	92.1
70043	-	8	12	5	14	38.5	87	75	65	229	1516	87.6
74583	61	11		5	13	39	74	62	60	199	1396	80.7
73401	70	5		6	17	38	69	71	67	208		<del> </del>
75654				9	16			59	65	193	1276	
75393		15		6	27	55.5	91	91	80	262		
70647	71	13		16	32	76	95	96	97	286	1683	97.3
75165	i i	8			17	39.5	80		65	246		85.1
72283					34				100	281	1	
70526	_76	16	_18	6	_36	75.5	94	97	96	290	1656	95.7

						<del></del> ;						
75415	69	15	10	12	27	63.5	92	85	96	267	1621	93.7
71156	54	17	12	6	29	64	85	. 79	87	249	1502	86.8
71647	72	15	11	9	19	54	85	82	85	166	1463	84.6
75060	57	7	10	- 8	23	47.5	87	59	82	241	1435	82.9
72171	44	-11	- 9	- 2	19	41	90	76	85	252	1492	86.2
75335	59	6	11	7	32	55.5	78	80	85	241	1524	88.1
70605	55	16	10	. 6	15	46.5	82	69	70	210	1489	86.1
76144	45	9	8	5	11	32.5	80	71	89	242	1552	89.7
76232	64	7	12	4	15	37.5	61	76	87	219	1457	84.2
72693	81	19	13	4	26	62	90	88	92	226	1545	89.3
75184	62	- 8	13	12	21	54	90	75	93	261	1607	92.9
73162	44	6	14	6	19	45	80	83	90	265	1562	90.3
70801	57	. 8	9	12	21	-50	78	82	77	266	1533	88.6
73198	69	18	14	, 6	35	72.5	95	98	95	290	1671	96.6
70615	72	17	16	8	35	75.5	86	91	96	291	1628	94.1
74742	66	9	13	2	34	58	92	93	99	276	1637	94.6
72366	66	13	14	11	26	63.5	94	84	79	258	1533	88.6
72519	49	9	19	5	32	65	87	87	90	270	1615	93.4
72128	63	8	10	. 8	13	39	73	- 77	71	241	1439	83.2
74951	76	19	_17	17	25	.78	96	95	94	292	1663	96.1
74607	78	12	16	5	28	60.5	98	98	99	295	1713	99.0
46711	56	7	15	12	24	58	68	84	80	257	1514	87.5
72581	69	. 6	.8	11	16	40.5	- 68	.77	81	213	1455	84.1
72291	64	10	9	5	21	45	78	73	69	249	1485	85.8
72864	55	7.	11	6	18	41.5	72	69	7.7	235	1486	85.9
76253	. 67	. 12	13	5	29	58.5	85	92	93	276	1605	92.8
73031	58	11	7	10	14	42	85	66	80	220	1449	83.8
74718	56	5	12	7	29	53	69	78	79	285	1521	87.9
73346	66	10	14	4	17	44.5	76	77	83	236	1546	89.4
71497	72	. 17	12	6	25	59.5	96	87	91	287	1659	95.9
73302	64		. 9	_ 11	15		87	57	58	208	1330	
72759	62	5	17	7	25		83		96	281	1648	
72742			8		12		93					
73811		9	15		31	59	83				1	
73542			9		18	<del> </del>	80		97	274		
70342	-				20		91					
71590			7			f	75	85	87	270		
75626				6			87					
74721	-		14			52	88			231		
71572												
70477		i					96			<b>!</b>	-	
70242			-				69			t		
72659		T		3				,			· ·	
72673	72	19	12	6	30	67	94	86	87	284	1574	91.0

71645	67	11	4	_ 2	10	27	87	73	79	201	1422	82.2
72474	77	5	10	5	19	39	78	. 88	86	264	1576	91.1
72406	46	11	6	_2	17	35.5	72	58	72	202	1300	75.1
73774	59	6	_11	_ 7	17	40.5	84	76	71	194	1424	82.3
75325	56	10	10	9	22	50.5	70	60	52	252	1347	77.9
73044	66	4	11	10	25	50	72	87	91	281	1608	92.9
75912	53	4	9	1	17	30.5	78	69	89	248	1459	84.3
70722	71	15	14	5	26	59.5	95	91	95	290	1659	95.9
92562	73	4	12	6	12	33.5	73	63	72	203	1363	78.8
71537	57	6	11	6	21	44	84	88	98	272	1623	93.8
75138	57	4	11	8	22	44.5	60	60	8,7	253	1437	83.1
72117	64	13	9	. 7	23	. 52	90	86	96	259	_1619	93.6
74462	55	. 8	11	2	14	34.5	81	73	79	197	1370	79.2
76104	59	10	8	8	16	41.5	91	50	75	203	1380	79.8
72324	81	19	17		_33	76	96	95	98	293	1666	96.3
70201	89	_14	18	4	28	63.5	72	81	84	252	1511	87.3
70121	64	5	7	2	20	33.5	62	59	69	235	1350	78.0
76024	58	4	12	_ 7	_22	45	73	56	78	236	1434	82.9
75690	45	6	9	2	8	25	61	62	73	180	1325	76.6
72710	57	5	11	5	15	36	79	90	97	268	1622	93.8
72315	55	11	13	8	24	56	88	67	77	234	1494	86.4
75689	57	7	11	10	20	48	50	68	74	243	1453	84.0
74896	76	15	12	6	27	59.5	88	85	89	261	1547	89.4
72138	61	6	12	3	_33	<u>54</u>	77	77	89	257	1499	86.6
70334	62	10	12	10	24	55.5	88	93	100	282	1670	
70770	55	6	12	_ 4	16	38						81.3
76277	67	7	10	3	27	47	67	74	77	237	1424	82.3
73299	56	7	6	7	19	38.5	75	61	64	257	1396	80.7
71662	59	6	12	7	11	35.5	83	79	80	234	1530	88.4
70259	51	4	9	8	21	42	64	85	88	230	1469	84.9
71736	59	8	8	4	20	39.5	82	73	81	238	1465	84.7
75627	66	4	8	6	15	32.5	50	50	50	173	1224	70.8
73692	57	5	11	_ 2	16	34	64	72	79	220	1461	84.5
76551	59	6	10	6	13	35	82	76	79	257	1547	89.4
71258	57	17	16	8	31	72	98	96	100	291	1652	95.5
72882	57	10	12	12	29	63	92	92	96	296	1675	96.8
75650	73	16	16	6	29	67	89	77	92	275	1586	91.7
75241	60	7	7	5	9	28	88	86	89	257	1599	92.4
73505	51	18	12	8	19	57	89	80	86	250	1506	87.1
47904	56	10	13	11	22	55.5	87	87	86	274	1585	91.6
74457	67	7	10	5	25	46.5	87	87	97	287	1625	93.9
73642	60	17	11	4	17	48.5	89	76	86	260	1562	90.3
	69	<del></del>	<del></del>	<del></del>								
75040				6	31	67	95	92	94	272	1636	94.6

				,								
73177	54	11	15	_ 5	24	54.5	80	75	93	258	1562	90.3
73371	66	16	15	8	25	64	92	90	95	278	1605	92.8
70260	60	8	10	6	20	44	71	61	70	248	1419	82.0
72164	49	8	7	3	11	28.5	58	50	60	176	1299	75.1
71705	78	17	15	4	33	69	96	96	91	295	_1647	95.2
75469	57	8	10	8	20	45.5	81	60	77	222	1469	84.9
72045	61	6	10	_ 8	23	46.5	75	66	75	284	1548	89.5
74751	68	11	11	2	29	52.5	86	70	82	249	1506	87.1
70160	78	6	13	5	19	43	72	58	65	192	1305	75.4
72365	55	6	9	7	_19	40.5	63	72	86	222	1397	80.8
70158	70	17	12	5	22	56	93	69	76	231	1485	85.8
75614	63	10	9	3	16	37.5	77	65	64	197	1365	78.9
71922	61	3	_ 7	5	13	28	59	51	56	203	1283	74.2
47578	38	6	7	4	_11	27.5	98	93	88	282	1662	96.1
74775	68	6	13	5	_11	34.5	63	59	66	182	1337	77.3
72378	57	6	14	10	29	58.5	_ 72	66	89	252	1412	81.6
74494	69	12	15	5	37	68.5	89	93	98	297	1663	96.1
70539	69	17	16	6	32	70.5	87	88	95	273	1593	92.1
72076	46	6	5	3	15	28.5	67	71	73	271	1473	85.1
72843	60	10	11	10	20	50.5	91	93	97	278	1651	95.4
72513	56	8	_ 7	5	11	30.5	78	86	82	207	1491	86.2
71490	65	14	_11	8	24	56.5	94	94	91	265	1636	94.6
74299	57	7	5	10	12	34	66	53	51	160	1243	71.8
74469	58	4	7	9	7	27	65	57	58	187	1279	73.9
73227	55	3	9	3	21	36	72	78	72	208	1482	85.7
70382	63	8	13	_ 3	30	54	83	88	90	293	1545	89.3
70124	60	7	9	7	18	41	91	94	94	294	1660	96.0
73320	57	_11	12	7	19	49	64	69	54	210	1397	80.8
72030	57	8	7	6	14	35	83	78	78	247	1515	87.6
70341	61	8	13	4	30	54.5	_76	66	71	268	1487	86.0
72664	66	19	15	14	38	86	95	92	95	294	1594	92.1
76083	79	19	13	9	21	61.5	93	89	95	271	1624	93.9
72644	59	8	10	4	20	41.5	72	75		225	1448	83.7
70923	66	18	4	4	21	46.5	86	61	60	212	1376	79.5
70837	58	5	7	3	13	27.5	82	72	85	204	1488	86.0
70433	50	4	7	_3	23	36.5	80	66	58	270	1465	84.7
72711	44	7	13	6	25	50.5	94	98	99	255	1630	94.2
71504	63	14	12	8	20	53.5	84	71	65	240	1409	81.4
70438	60	11	11	9	28	59	84	90	96	269	1619	93.6
72407	60	7	9	5	14	34.5	85	90	81	212	1532	88.6
72015	69	13	14	7	31	65	92	93	95	289	1660	96.0
73808	63	6	9	6	32	52.5	68	66	71	266	1499	86.6
72903	63	6	9	3	21	39	83	88	96	269	1604	92.7
71050	57	10	10	4	15	38.5	85	91	95	271	1552	89.7

73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66			i				<del></del> i						
70703         60         6         7         5         26         43.5         83         81         92         270         1591         92.0           75688         57         9         14         4         24         50.5         69         75         69         211         1413         81.7           70151         55         8         10         10         20         48         87         86         92         255         1574         91.0           75860         78         15         14         19         33         80.5         99         97         100         300         1669         96.5           74502         77         15         15         8         37         75         97         98         100         297         1702         98.4           73090         6         7         12         5         20         43.5         89         78         91         219         1476         85.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9           73197	71772	60	8	14	9	30	60.5	77	87	100	290	1661	96.0
75688         57         9         14         4         24         50.5         69         75         69         211         1413         81.7           70151         55         8         10         10         20         48         87         86         92         255         1574         91.0           75282         51         5         5         7         24         40.5         84         85         93         247         1603         92.7           75860         78         15         14         19         33         80.5         99         97         100         300         16669         96.5           73096         58         9         11         5         25         50         86         92         90         283         1600         92.5           71912         5         17         8         5         15         45         87         83         90         242         1476         85.3           73000         60         7         12         5         20         43.5         89         78         27         1493         86.3           72199         40	71100	58	. 4	7	8	16	34.5	56	51	61	189	1299	75.1
70151         55         8         10         10         20         48         87         86         92         255         1574         91.0           75282         51         5         5         7         24         40.5         84         85         93         247         1603         92.7           75860         78         15         14         19         33         80.5         99         97         100         300         1669         96.5           74502         77         15         15         8         37         75         97         98         100         297         1702         98.4           73096         58         9         11         5         25         50         86         92         90         283         1600         92.5           71912         57         17         8         5         15         45         89         78         91         219         1476         85.3           73000         60         7         12         5         20         48.5         89         78         270         1493         86.3           72199         40	707.03	60	6	7	5	26	43.5	83	81	92	270	1591	92.0
75282         51         5         5         7         24         40.5         84         85         93         247         1603         92.7           75860         78         15         14         19         33         80.5         99         97         100         300         1669         96.5           74502         77         15         15         8         37         75         97         98         100         297         1702         98.4           73096         58         9         11         5         25         50         86         92         90         283         1600         92.5           71912         57         17         8         5         15         45         87         83         90         242         1478         85.4           73000         60         7         12         5         20         43.5         89         78         91         219         1476         85.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9         73.9         93	75688	57	9	14	- 4	24	50.5	69	75	- 69	211	1413	81.7
75860         78         15         14         19         33         80.5         99         97         100         300         1669         96.5           74502         77         15         15         8         37         75         97         98         100         297         1702         98.4           73096         58         9         11         5         25         50         86         92         90         283         1600         92.5           71912         57         17         8         5         15         45         87         83         90         242         1478         85.4           73000         60         7         12         5         20         43.5         89         78         91         219         1476         85.3           76040         73         17         5         3         11         35.5         94         89         78         270         1493         86.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9         93         1627	70151	55	8	10	10	. · 20	48	87	86	-92	255	1574	91.0
74502         77         15         15         8         37         75         97         98         100         297         1702         98.4           73096         58         9         11         5         25         50         86         92         90         283         1600         92.5           71912         57         17         8         5         15         45         87         83         90         242         1478         85.4           73000         60         7         12         5         20         43.5         89         78         91         219         1476         85.3           76040         73         17         5         3         11         35.5         94         89         78         270         1493         86.3           73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592	75282	51	5	5	7	24	40.5	84	85	93	247	1603	92.7
73096         58         9         11         5         25         50         86         92         90         283         1600         92.5           71912         57         17         8         5         15         45         87         83         90         242         1478         85.4           73000         60         7         12         5         20         43.5         89         78         91         219         1476         85.3           76040         73         17         5         3         11         35.5         94         89         78         270         1493         86.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9           73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         <	75860	78	15	14	19	33	80.5	99	97	100	300	1669	96.5
71912         57         17         8         5         15         45         87         83         90         242         1478         85.4           73000         60         7         12         5         20         43.5         89         78         91         219         1476         85.3           76040         73         17         5         3         11         35.5         94         89         78         270         1493         86.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9           73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257	74502	77	15	15	8	37	75	97	98	100	297	1702	98.4
73000         60         7         12         5         20         43.5         89         78         91         219         1476         85.3           76040         73         17         5         3         11         35.5         94         89         78         270         1493         86.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9           73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257         58         13         7         20         45         78         87         81         251         1566         89.9           70359         65	73096	58	9	11	. 5	25	50	86	92	90	283	1600	92.5
76040         73         17         5         3         11         35.5         94         89         78         270         1493         86.3           72199         40         16         15         7         20         58         84         60         71         229         1278         73.9           73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257         58         13         7         20         45         78         87         81         251         1556         89.9           70359         65         6         14         52         47         83         93         93         295         1626         94.0           726190         75         16	71912	57	17	8	5	15	45	87	83	90	242	1478	85.4
72199         40         16         15         7         20         58         84         60         71         229         1278         73.9           73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257         58         13         7         20         45         78         81         251         1556         89.9           70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9         99.1           71908         57	73000	60	7	12	5	. 20	43.5	89	78	91	219	1476	85.3
73197         63         13         9         6         16         43.5         78         54         62         168         1305         75.4           73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257         58         13         12         3         27         55         78         78         91         264         1524         88.1           71129         46         5         13         7         20         45         78         81         251         1556         89.9           70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9           70692         75 <t< td=""><td>76040</td><td>73</td><td>17</td><td>. 5</td><td>3</td><td>11</td><td>35.5</td><td>94</td><td>89</td><td>78</td><td>270</td><td>1493</td><td>86.3</td></t<>	76040	73	17	. 5	3	11	35.5	94	89	78	270	1493	86.3
73746         72         11         19         6         37         73         83         90         94         293         1627         94.0           72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257         58         13         12         3         27         55         78         78         91         264         1524         88.1           71129         46         5         13         7         20         45         78         81         251         1556         89.9           70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9         99         1608         92.9         171         17908         57         4         11         11         27         53         74         76         92         271         1573         90.9 <td>72199</td> <td>40</td> <td>16</td> <td>15</td> <td>7</td> <td>20</td> <td>58</td> <td>84</td> <td>60</td> <td>71</td> <td>229</td> <td>1278</td> <td>73.9</td>	72199	40	16	15	7	20	58	84	60	71	229	1278	73.9
72592         49         7         8         3         13         30.5         81         80         78         256         1533         88.6           74257         58         13         12         3         27         55         78         78         91         264         1524         88.1           71129         46         5         13         7         20         45         78         87         81         251         1556         89.9           70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9           70692         75         16         15         7         19         57         93         93         95         285         1679         97.1           71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74289 <td< td=""><td>73197</td><td>63</td><td>13</td><td>9</td><td>6</td><td>16</td><td>43.5</td><td>78</td><td>54</td><td>62</td><td>168</td><td>1305</td><td>75.4</td></td<>	73197	63	13	9	6	16	43.5	78	54	62	168	1305	75.4
74257         58         13         12         3         27         55         78         78         91         264         1524         88.1           71129         46         5         13         7         20         45         78         87         81         251         1556         89.9           70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9           70692         75         16         15         7         19         57         93         93         95         285         1679         97.1           71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590	73746	72	11	19	6	37	. 73	83	90	94	293	1627	94.0
71129         46         5         13         7         20         45         78         87         81         251         1556         89.9           70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9           70692         75         16         15         7         19         57         93         93         95         285         1679         97.1           71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           72201 <t< td=""><td>72592</td><td>49</td><td>7</td><td>8</td><td>3</td><td>13</td><td>30.5</td><td>81</td><td>80</td><td>78</td><td>256</td><td>1533</td><td>88.6</td></t<>	72592	49	7	8	3	13	30.5	81	80	78	256	1533	88.6
70359         65         6         14         5         22         47         83         93         93         295         1626         94.0           72618         69         12         14         10         36         72         93         84         94         282         1608         92.9           70692         75         16         15         7         19         57         93         93         95         285         1679         97.1           71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72251	74257	58	13	12	3	27	55	78	78	91	264	1524	88.1
72618         69         12         14         10         36         72         93         84         94         282         1608         92.9           70692         75         16         15         7         19         57         93         93         95         285         1679         97.1           71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863	71129	46	5	13	7	20	45	78	87	81	251	1556	89.9
70692         75         16         15         7         19         57         93         93         95         285         1679         97.1           71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863         82         18         19         6         37         80         96         96         98         296         1686         97.5           72753	70359	65	6	14	5	22	47	83	93	93	295	1626	94.0
71908         57         4         11         11         27         53         74         76         92         271         1573         90.9           74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863         82         18         19         6         37         80.5         100         98         99         300         1718         99.3           72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           75217	72618	69	12	14	10	36	72	93	84	94	282	1608	92.9
74636         57         6         10         4         22         42         85         82         86         224         1511         87.3           72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863         82         18         19         6         37         80         96         96         98         296         1686         97.5           72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217	70692	75	16	15	7	19	57	93	93	95	285	1679	97.1
72590         73         20         12         9         28         68.5         94         84         74         268         1566         90.5           74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863         82         18         19         6         37         80         96         96         98         296         1686         97.5           72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217         70         7         12         8         23         49:5         59         5         52         222         1338         77.3           73924	71908	57	4	-11	11	27	53	74	76	92	271	1573	90.9
74289         66         5         12         7         30         53.5         78         93         97         292         1604         92.7           72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863         82         18         19         6         37         80         96         96         98         296         1686         97.5           72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217         70         7         12         8         23         49.5         59         5         52         222         1338         77.3           73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           72573	74636	57	6	10	4	22	42	85	82	86	224	1511	87.3
72201         72         19         19         6         37         80.5         100         98         99         300         1718         99.3           71863         82         18         19         6         37         80         96         96         98         296         1686         97.5           72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217         70         7         12         8         23         49.5         59         5         52         222         1338         77.3           73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           73904         66         6         8         6         11         31         53         69         60         239         1445         83.5           72573 <t< td=""><td>72590</td><td>73</td><td>20</td><td>12</td><td>9</td><td>28</td><td>68.5</td><td>94</td><td>84</td><td>74</td><td>268</td><td>1566</td><td>90.5</td></t<>	72590	73	20	12	9	28	68.5	94	84	74	268	1566	90.5
71863         82         18         19         6         37         80         96         96         98         296         1686         97.5           72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217         70         7         12         8         23         49.5         59         5         52         222         -1338         77.3           73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           73904         66         6         8         6         11         31         53         69         60         239         1445         83.5           72573         61         6         9         6         17         38         78         67         65         233         1399         80.9           73933         61	74289	66	5	12	7	30	53.5	78	93	97	292	1604	92.7
72753         61         15         13         3         13         44         90         57         70         165         1397         80.8           70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217         70         7         12         8         23         49.5         59         5         52         222         1338         77.3           73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           73904         66         6         8         6         11         31         53         69         60         239         1445         83.5           72573         61         6         9         6         17         38         78         67         65         233         1399         80.9           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60<	72201	72	19	19	6	37	80:5	100	98	99	300	1718	99.3
70176         62         11         13         4         31         58.5         79         97         89         266         1606         92.8           75217         70         7         12         8         23         49.5         59         5         52         222         1338         77.3           73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           73904         66         6         8         6         11         31         53         69         60         239         1445         83.5           72573         61         6         9         6         17         38         78         67         65         233         1399         80.9           73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60	71863	82	18	19	6	37	80	96	96	98	296	1686	97.5
75217         70         7         12         8         23         49:5         59         5         52         222         -1338         77.3           73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           73904         66         6         8         6         11         31         53         69         60         239         1445         83:5           72573         61         6         9         6         17         38         78         67         65         233         1399         80:9           73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57<	72753	61	15	13	. 3	13	44	. 90	57	70	165	1397	80.8
73924         40         4         3         2         9         18         77         55         69         204         1346         77.8           73904         66         6         8         6         11         31         53         69         60         239         1445         83.5           72573         61         6         9         6         17         38         78         67         65         233         1399         80.9           73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80 <td>70176</td> <td>62</td> <td>11</td> <td>13</td> <td>4</td> <td>31</td> <td>58.5</td> <td>79</td> <td>97</td> <td>89</td> <td>266</td> <td>1606</td> <td>92.8</td>	70176	62	11	13	4	31	58.5	79	97	89	266	1606	92.8
73904         66         6         8         6         11         31         53         69         60         239         1445         83.5           72573         61         6         9         6         17         38         78         67         65         233         1399         80.9           73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60<	75217	70	7	12	8	- 23	49:5	- 59	5	52	222	- 1338	77.3
72573         61         6         9         6         17         38         78         67         65         233         1399         80.9           73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54	73924	40	4	3	2	9	18	77	-55	69	204	1346	77.8
73933         61         9         11         6         19         44.5         76         73         78         211         1463         84.6           73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66	73904	66	6	8	6	11	31	53	-69	60	239	1445	83.5
73738         58         9         15         11         30         65         73         80         93         248         1529         88.4           74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66         14         16         9         31         70         91         97         98         288         1669         96.5           71263         64<	72573	61	6	9	6	17	38	78	67	65	233	1399	80.9
74959         60         6         7         9         16         37.5         86         78         77         238         1485         85.8           73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66         14         16         9         31         70         91         97         98         288         1669         96.5           71263         64         14         12         14         27         67         95         77         78         224         1522         88.0           74545         66	73933	61	9	11	6	19	44.5	76	73	78	211	1463	84.6
73547         57         15         9         5         14         43         81         55         59         166         1217         70.3           75358         80         7         16         5         31         59         70         90         96         278         1617         93.5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66         14         16         9         31         70         91         97         98         288         1669         96.5           71263         64         14         12         14         27         67         95         77         78         224         1522         88.0           74545         66         20         12         6         31         68.5         89         79         86         241         1470         85.0	73738	58	. 9	15	11	30	65	73	80	93	248	1529	88.4
75358         80         7         16         5         31         59         70         90         96         278         1617         93:5           72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66         14         16         9         31         70         91         97         98         288         1669         96.5           71263         64         14         12         14         27         67         95         77         78         224         1522         88.0           74545         66         20         12         6         31         68.5         89         79         86         241         1470         85.0	74959	60	. 6	7	. 9	16	37.5	86	78	77	238	1485	85:8
72473         60         6         13         4         29         52         77         79         92         287         1621         93.7           71918         54         9         6         8         19         42         78         79         92         244         1556         89.9           72090         66         14         16         9         31         70         91         97         98         288         1669         96.5           71263         64         14         12         14         27         67         95         77         78         224         1522         88.0           74545         66         20         12         6         31         68.5         89         79         86         241         1470         85.0	73547	57	15	9	5	14	43	81	55	59	166	1217	70.3
71918     54     9     6     8     19     42     78     79     92     244     1556     89.9       72090     66     14     16     9     31     70     91     97     98     288     1669     96.5       71263     64     14     12     14     27     67     95     77     78     224     1522     88.0       74545     66     20     12     6     31     68.5     89     79     86     241     1470     85.0	75358	80	7	16	5	31	59	70	90	96	278	1617	93.5
72090     66     14     16     9     31     70     91     97     98     288     1669     96.5       71263     64     14     12     14     27     67     95     77     78     224     1522     88.0       74545     66     20     12     6     31     68.5     89     79     86     241     1470     85.0	72473	60	6	13	4	29	52	77	79	92	287	1621	93.7
71263 64 14 12 14 27 67 95 77 78 224 1522 88.0 74545 66 20 12 6 31 68.5 89 79 86 241 1470 85.0	71918	54	9	6	8	19	42	78	79	92	244	1556	89.9
74545 66 20 12 6 31 68.5 89 79 86 241 1470 85.0	72090	66	14	16	9	31	70	91	97	98	288	1669	96.5
	71263	64	14	12	14	27	67	95	77	78	224	1522	88.0
72209 55 19 13 3 19 54 93 98 91 284 1634 94.5	74545	66	20	12	6	31	68.5	89	79	86	241	1470	85.0
	72209	55	19	13	3	19	54	93	98	91	284	1634	94.5

75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612         78         19         15         17         32         82.5         91         90         95         289         1628         94.1           73057         57         7         10         7         22         45.5         86         76         85         244         1556         89.9           70699         68         14         18         16         33         81         92         94         98         288         1628         94.1           71237         56         14         15         6         21         55.5         85         80         95         257         1569         90.7           70241													
71468         53         12         13         10         23         58         89         65         84         233         156         89.4           72915         68         6         14         3         16         38.5         52         53         58         208         1295         74.9           74771         66         5         9         6         12         32         66         79         80         199         1483         85.7           73398         74         12         13         12         25         61.5         82         81         85         258         1546         89.4           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.0           71395         70         5         13         3         27         48         79         90         275         1482         85.7           74017         63         17         13         7         14         50.5         89         79         243         1494         86.4           72362         57         8	74614	49	11	16	3	_34	64	_ 74	82	87	290	1551	89.7
72915         68         6         14         3         16         38.5         52         53         58         208         1295         74.9           74771         66         5         9         6         12         32         66         79         80         199         1483         85.7           72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.4           73390         78         17         20         14         38         89         93         97         98         299         1697         98.1           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.0           71395         70         5         13         3         27         48         71         87         90         278         1482         85.7           70129         53         7         7         9         16         39         74         67         84         251         1494         86.1           70279 <t< td=""><td>71452</td><td>43</td><td>9</td><td>7</td><td>9</td><td>15</td><td>40</td><td>82</td><td>87</td><td>81</td><td>271</td><td>1583</td><td>91.5</td></t<>	71452	43	9	7	9	15	40	82	87	81	271	1583	91.5
74771         66         5         9         6         12         32         66         79         80         199         1483         85.7           72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.4           73390         78         17         20         14         38         89         93         97         98         299         1697         98.1           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.0           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.4         4.5           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70279         63         12         10         32         27         54.5         67         64         62         228         1359         78.6	71468	53	12	13	10	23	58	89	65	84	233	1546	89.4
72398         74         12         13         12         25         61.5         82         81         85         258         1546         89.4           73390         78         17         20         14         38         89         93         97         98         299         1697         98.1           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.0           71395         70         5         13         3         27         48         71         87         90         276         1482         85.7           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.4           72262         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70129         63         12         10         13         26         64         92         88         90         278         1618         93.5           71325	72915	68	6	14	3	16	38.5	52	53	58	208	1295	74.9
73390         78         17         20         14         38         89         93         97         98         299         1697         98.1           75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.0           71395         70         5         13         3         27         48         71         87         90         276         1482         85.7           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.4           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70129         53         7         7         9         16         39         74         67         86         218         1451         84.5         7         9         16         39         74         67         86         218         151         9         83.5         7         76         64         62         10         12 <td>74771</td> <td>66</td> <td>5</td> <td>9</td> <td>6</td> <td>12</td> <td>32</td> <td>66</td> <td>79</td> <td>80</td> <td>199</td> <td>1483</td> <td>85.7</td>	74771	66	5	9	6	12	32	66	79	80	199	1483	85.7
75920         55         2         7         4         21         33.5         66         62         69         210         1384         80.0           71395         70         5         13         3         27         48         71         87         90         276         1482         85.7           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.4           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70129         53         7         7         9         16         39         74         67         86         218         1421         82.1           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.6           70279         63         12         10         13         29         64         92         88         90         278         1618         81.5           71352         <	72398	74	12	13	12	25	61.5	82	81	85	258	1546	89.4
71395         70         5         13         3         27         48         71         87         90         276         1482         85.7           74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.4           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70129         53         7         7         9         16         39         74         67         86         218         1421         82.1           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.6           70279         63         12         10         13         29         64         92         88         90         278         1618         93.5           71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           71633         <	73390	78	17	20	14	38	89	93	97	98	299	1697	98.1
74017         63         17         13         7         14         50.5         93         75         79         243         1494         86.4           72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70129         53         7         7         9         16         39         74         67         86         218         1421         82.1           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.6           70279         63         12         10         13         29         64         92         88         90         278         1618         93.5           71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           71325         77         8         14         5         34         61         88         92         99         291         1454         84.0           71235         <	75920	55	2	7	4	21	33.5	66	62	69	210	1384	80.0
72362         57         8         9         6         22         44.5         67         76         84         251         1462         84.5           70129         53         7         7         9         16         39         74         67         86         218         1421         82.1           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.6           70279         63         12         10         13         29         64         92         88         90         278         1618         93.5           71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           76626         61         8         13         4         32         57         81         60         76         263         1410         81.5         7         84         4.0         28         89         99         291         1454         84.0         94         31.5         7         75         79         194         1454 <t< td=""><td>71395</td><td>70</td><td>5</td><td>13</td><td>3</td><td>27</td><td>48</td><td>71</td><td>87</td><td>90</td><td>276</td><td>1482</td><td>85.7</td></t<>	71395	70	5	13	3	27	48	71	87	90	276	1482	85.7
70129         53         7         7         9         16         39         74         67         86         218         1421         82.1           76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.6           70279         63         12         10         13         29         64         92         88         90         278         1618         93.5           71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           76526         61         8         13         4         32         57         81         60         76         263         1410         81.5         7         79         194         1454         84.0         70         76         63         1410         84.0         90         99         291         1632         94.3         73         78.6         78.6         143         26         89.8         92         99         291         1632         94.3         78.8         79.9         92         13 </td <td>74017</td> <td>63</td> <td>17</td> <td>13</td> <td>7</td> <td>14</td> <td>50.5</td> <td>93</td> <td>75</td> <td>79</td> <td>243</td> <td>1494</td> <td>86.4</td>	74017	63	17	13	7	14	50.5	93	75	79	243	1494	86.4
76559         66         9         16         3         27         54.5         87         94         99         275         1671         96.6           70279         63         12         10         13         29         64         92         88         90         278         1618         93.5           71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           76526         61         8         13         4         32         57         81         60         76         263         1410         81.5           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.0           71235         77         8         14         5         34         61         88         92         99         291         1632         94.3           73387         45         7         9         4         11         31         26         69.5         92         83         84         232         1546         89.4	72362	57	8	9	6	22	44.5	67	76	84	251	1462	84.5
70279         63         12         10         13         29         64         92         88         90         278         1618         93.5           71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           76526         61         8         13         4         32         57         81         60         76         263         1410         81.5           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.0           71235         77         8         14         5         34         61         88         92         99         291         1632         94.3           73387         45         7         9         4         11         31         71         59         63         169         1326         76.6           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.2           73990	70129	53	7	7	9	16	39	74	67	86	218	1421	82.1
71325         66         10         12         5         27         54         77         64         64         228         1359         78.6           76526         61         8         13         4         32         57         81         60         76         263         1410         81.5           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.0           71235         77         8         14         5         34         61         88         92         99         291         1632         94.3           73387         45         7         9         4         11         31         71         59         63         169         1326         76.6           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.2           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340 <t< td=""><td>76559</td><td>66</td><td>9</td><td>16</td><td>3</td><td>27</td><td>54.5</td><td>87</td><td>94</td><td>99</td><td>275</td><td>1671</td><td>96.6</td></t<>	76559	66	9	16	3	27	54.5	87	94	99	275	1671	96.6
76526         61         8         13         4         32         57         81         60         76         263         1410         81.5           71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.0           71235         77         8         14         5         34         61         88         92         99         291         1632         94.3           73387         45         7         9         4         11         31         71         59         63         169         1326         76.6           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.2           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340         61         4         11         1         24         39.5         85         92         95         255         1615         39.4           760238	70279	63	12	10	13	29	64	92	88	90	278	1618	93.5
71663         63         5         10         5         12         31.5         72         75         79         194         1454         84.0           71235         77         8         14         5         34         61         88         92         99         291         1632         94.3           73387         45         7         9         4         11         31         71         59         63         169         1326         76.6           73763         64         6         6         2         12         25.5         72         70         63         184         1352         76.6           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.4           76034         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238 <t< td=""><td>71325</td><td>66</td><td>10</td><td>12</td><td>5</td><td>27</td><td>54</td><td>77</td><td>64</td><td>64</td><td>228</td><td>1359</td><td>78.6</td></t<>	71325	66	10	12	5	27	54	77	64	64	228	1359	78.6
71235         77         8         14         5         34         61         88         92         99         291         1632         94.3           73387         45         7         9         4         11         31         71         59         63         169         1326         76.6           73763         64         6         6         2         12         25.5         72         70         63         184         1352         76.6           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.4           76054         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705 <t< td=""><td>76526</td><td>61</td><td>8</td><td>13</td><td>4</td><td>32</td><td>57</td><td>81</td><td>60</td><td>76</td><td>263</td><td>1410</td><td>81.5</td></t<>	76526	61	8	13	4	32	57	81	60	76	263	1410	81.5
73387         45         7         9         4         11         31         71         59         63         169         1326         76.6           73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.2           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.4           76054         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553	71663	63	5	10	5	12	31.5	72	75	79	194	1454	84.0
73763         64         6         6         2         12         25.5         72         70         63         184         1352         78.2           73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.4           76054         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553         65         17         14         4         30         65         86         81         81         265         1546         89.4           70457	71235	77	8	14	5	34	61	88	92	99	291	1632	94.3
73990         62         16         15         13         26         69.5         92         83         84         232         1546         89.4           70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.4           76054         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553         65         17         14         4         30         64         91         80         89         287         1582         91.4           70457         69         19         6         15         39         82         78         76         194         1315         76.0           71729         56	73387	45	7	9	4	11	31	71	59	63	169	1326	76.6
70340         61         4         11         1         24         39.5         85         92         95         255         1615         93.4           76054         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553         65         17         14         4         30         65         86         81         81         265         1546         89.4           70457         69         19         11         4         30         64         91         80         89         287         1582         91.4           72176         56         6         9         5         17         37         91         88         94         266         1623         93.8           701729         <	73763	64	6	6	2	12	25.5	72	70	63	184	1352	78.2
76054         58         5         7         3         12         27         55         56         65         163         1312         75.8           76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553         65         17         14         4         30         65         86         81         81         265         1546         89.4           70457         69         19         11         4         30         64         91         80         89         287         1582         91.4           72176         56         9         9         6         15         39         82         78         76         194         1315         76.0           71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70906         6	73990	62	16	15	13	26	69.5	92	83	84	232	1546	89.4
76238         55         9         10         5         21         44.5         85         50         76         192         1362         78.7           72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553         65         17         14         4         30         65         86         81         81         265         1546         89.4           70457         69         19         11         4         30         64         91         80         89         287         1582         91.4           72176         56         9         9         6         15         39         82         78         76         194         1315         76.0           71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         <	70340	61	4	11	1	24	39.5	85	92	95	255	1615	93.4
72705         72         20         15         4         31         69.5         95         91         92         282         1639         94.7           73553         65         17         14         4         30         65         86         81         81         265         1546         89.4           70457         69         19         11         4         30         64         91         80         89         287         1582         91.4           72176         56         9         9         6         15         39         82         78         76         194         1315         76.0           71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497	76054	58	5	7	3	12	27	55	56	65	163	1312	75.8
73553         65         17         14         4         30         65         86         81         81         265         1546         89.4           70457         69         19         11         4         30         64         91         80         89         287         1582         91.4           72176         56         9         9         6         15         39         82         78         76         194         1315         76.0           71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           75845         59	76238	55	9	10	5	21	44.5	85	50	76	192	1362	78.7
70457         69         19         11         4         30         64         91         80         89         287         1582         91.4           72176         56         9         9         6         15         39         82         78         76         194         1315         76.0           71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59<	72705	72	20	15	4	31	69.5	95	91	92	282	1639	94.7
72176         56         9         9         6         15         39         82         78         76         194         1315         76.0           71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63 </td <td>73553</td> <td>65</td> <td>17</td> <td>14</td> <td>4</td> <td>30</td> <td>65</td> <td>86</td> <td>81</td> <td>81</td> <td>265</td> <td>1546</td> <td>89.4</td>	73553	65	17	14	4	30	65	86	81	81	265	1546	89.4
71729         56         6         9         5         17         37         91         88         94         266         1623         93.8           70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208 <td< td=""><td>70457</td><td>_ 69</td><td>19</td><td>11</td><td>4</td><td>30</td><td>64</td><td>91</td><td>80</td><td>89</td><td>287</td><td>1582</td><td>91.4</td></td<>	70457	_ 69	19	11	4	30	64	91	80	89	287	1582	91.4
70198         76         20         11         6         31         67.5         95         82         81         277         1565         90.5           70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940	72176	56	9	9	6	15	39	82	78	76	194	1315	76.0
70906         60         1         9         4         18         32         71         79         79         218         1441         83.3           70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612 <t< td=""><td>71729</td><td>56</td><td>6</td><td>9</td><td>5</td><td>17</td><td>. 37</td><td>91</td><td>88</td><td>94</td><td>266</td><td>1623</td><td>93.8</td></t<>	71729	56	6	9	5	17	. 37	91	88	94	266	1623	93.8
70497         66         7         13         11         21         52         72         57         77         193         1356         78.4           73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612         78         19         15         17         32         82.5         91         90         95         289         1628         94.1           73057	70198	76	20	11	6	31	67.5	95	82	81	277	1565	90.5
73099         51         10         9         3         15         37         84         78         75         215         1483         85.7           75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612         78         19         15         17         32         82.5         91         90         95         289         1628         94.1           73057         57         7         10         7         22         45.5         86         76         85         244         1556         89.9           70699	70906	60	1	9	4	18	32	71	79	79	218	1441	83.3
75845         59         7         9         10         17         43         77         84         94         193         1589         82.3           75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612         78         19         15         17         32         82.5         91         90         95         289         1628         94.1           73057         57         7         10         7         22         45.5         86         76         85         244         1556         89.9           70699         68         14         18         16         33         81         92         94         98         288         1628         94.1           71237	70497	66	7	13	11	21	52	72	57	77	193	1356	78.4
75243         63         15         12         17         35         78.5         88         82         92         293         1617         93.5           70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612         78         19         15         17         32         82.5         91         90         95         289         1628         94.1           73057         57         7         10         7         22         45.5         86         76         85         244         1556         89.9           70699         68         14         18         16         33         81         92         94         98         288         1628         94.1           71237         56         14         15         6         21         55.5         85         80         95         257         1569         90.7           70241	73099	51	10	9	3	15	37	84	78	75	215	1483	85.7
70208         57         15         5         5         14         38.5         74         78         65         193         1315         76.0           74940         78         18         13         8         24         63         98         95         98         290         1684         97.3           72612         78         19         15         17         32         82.5         91         90         95         289         1628         94.1           73057         57         7         10         7         22         45.5         86         76         85         244         1556         89.9           70699         68         14         18         16         33         81         92         94         98         288         1628         94.1           71237         56         14         15         6         21         55.5         85         80         95         257         1569         90.7           70241         60         15         9         4         10         37.5         71         55         55         150         1210         69.9           70114	1 1	59	7	9	10	17	43	77	84	94	193	1	1
74940     78     18     13     8     24     63     98     95     98     290     1684     97.3       72612     78     19     15     17     32     82.5     91     90     95     289     1628     94.1       73057     57     7     10     7     22     45.5     86     76     85     244     1556     89.9       70699     68     14     18     16     33     81     92     94     98     288     1628     94.1       71237     56     14     15     6     21     55.5     85     80     95     257     1569     90.7       70241     60     15     9     4     10     37.5     71     55     55     150     1210     69.9       70114     55     12     11     6     14     43     97     93     97     292     1668     96.4	75243	63	15	12	17	35	78.5	88	82	92	293	1617	93.5
72612       78       19       15       17       32       82.5       91       90       95       289       1628       94.1         73057       57       7       10       7       22       45.5       86       76       85       244       1556       89.9         70699       68       14       18       16       33       81       92       94       98       288       1628       94.1         71237       56       14       15       6       21       55.5       85       80       95       257       1569       90.7         70241       60       15       9       4       10       37.5       71       55       55       150       1210       69.9         70114       55       12       11       6       14       43       97       93       97       292       1668       96.4	70208	57	15	5	5	14	38.5	74	78	65	193	1315	76.0
73057         57         7         10         7         22         45.5         86         76         85         244         1556         89.9           70699         68         14         18         16         33         81         92         94         98         288         1628         94.1           71237         56         14         15         6         21         55.5         85         80         95         257         1569         90.7           70241         60         15         9         4         10         37.5         71         55         55         150         1210         69.9           70114         55         12         11         6         14         43         97         93         97         292         1668         96.4	74940	78	18	13	8	24	63	98	95	98	290	1684	97.3
70699     68     14     18     16     33     81     92     94     98     288     1628     94.1       71237     56     14     15     6     21     55.5     85     80     95     257     1569     90.7       70241     60     15     9     4     10     37.5     71     55     55     150     1210     69.9       70114     55     12     11     6     14     43     97     93     97     292     1668     96.4	72612	78	19	15	17	32	82.5	91	90	95	289	1628	94.1
71237 56 14 15 6 21 55.5 85 80 95 257 1569 90.7 70241 60 15 9 4 10 37.5 71 55 55 150 1210 69.9 70114 55 12 11 6 14 43 97 93 97 292 1668 96.4	73057	57	7	10	7	22	45.5	86	76	85	244	1556	89.9
70241     60     15     9     4     10     37.5     71     55     55     150     1210     69.9       70114     55     12     11     6     14     43     97     93     97     292     1668     96.4	70699	68	14	18	16	33	81	92	94	98	288	1628	94.1
70114 55 12 11 6 14 43 97 93 97 292 1668 96.4	71237	56	14	15	6	21	55.5	85	80	95	257	1569	90.7
	70241	_ 60	15	9	4	10	37.5	71	55	55	150	1210	69.9
74281 72 15 13 17 32 77 95 96 98 294 1694 97.9	70114	55	12	11	6	14	43	97	93	97	292	1668	96.4
	74281	72	15	13	17	32	77	95	96	98	294	1694	97.9

·												
72569	41	10	7	9	18	44	89	90	90	267	1572	90.9
73581	59	10	10	6	11	37	87	64	85	229	1408	81.4
72387	68	11	13	5	17	46	82	85	75	220	1452	83.9
72178	62	15	10	3	10	37.5	92	73	85	205	1489	86.1
72627	55	16	9	9	19	52.5	67	80	60	262	1378	79.7
70528	75	16	17	6	24	62.5	89	67	89	244	1463	84.6
75579	58	3	4	3	17	27	56	73	69	262	1437	83.1
73006	55	10	9	_3	21	42.5	70	73	68	246	1426	82.4
72189	64	_12	9	6	26	53	91	84	92	_273	1602	92.6
75397	72	9	10	3	14	35.5	81	87	90	255	1569	90.7
74283	62	14	14	6	30	63.5	92	94	96	286	1655	95.7
75502	56	8	8	8	15	39	77	69	78	234	1497	86.5
48080	58	6	11	9	20	46	78	85	86	246	1548	89.5
76482	65	6	8	5	14	32.5	79	70	80	205	1417	81.9
75471	87	19	18	5	32	74	91	87	93	280	1637	94.6
72686	65	10	11	- 8	27	56	87	78	83	272	1555	89.9
70305	58	18	11	4	_11	43.5	90	64	80	237	1464	84.6
73203	60	9	14	3	21	47	82	85	89	258	1551	89.7
70602	60	17	14	. 6	34	71	97	99	98	295	1708	98.7
73902	_55	7	10	9	_26	51.5	76	69	84	257	1535	88.7
70155	81	19	16	12	31	77.5	95	86	84	286	1561	90.2
75899	86	19	18	7	36	80	100	94	98	299	1690	97.7
71158	60	12	6	6	10	34	82	88	80	245	1505	87.0
74690	54	18	7	5	24	53.5	84	83	87	265	1462	84.5
74439	55	5	9	12	25	51	81	67	78	266	1469	84.9
71114	42	14	10	5	29	57.5	91	89	95	278	1647	95.2
71840	57	6	14	3	16	38.5	92	94	90	268	1631	94.3
73378	54	11	10	_ 7	23	50.5	86	81	96	270	1606	92.8
73629	58	_ 2	7	. 5	17	31	68	84	82	236	1521	87.9
76250	61	3	10	5	15	32.5	68	68	79	177	1403	81.1
74638	62	6	10	_ 7	22	44.5	85	88	82	225	1538	88.9
70246	66	10	15	6	27	57.5	83	79	88	282	1562	90.3
75008	45	6	10	4	18	37.5	80	83	86	261	1531	88.5
71146	57	14	14	6	26	59.5	89	93	83	239	1517	87.7
70883	60	11	8	4	23	46	84	66	78	248	1437	74.5
70458	54	_ 7	10	4	22	42.5	82	73	74	250	1506	87.1
70264	73	10	9	12	16	46.5	60	82	78	256	1479	85.5
76095	71	7	14	4	35	60	67	92	93	294	1616	93.4
73844	71	10	12	8	30	59.5	90	84	94	267	1616	93.4
76201	57	15	15	4	27	60.5	87	78	91	262	1606	92.8
73755	49	5	10	3	22	40	78	84	87	248	1548	89.5
70444	58	8	6	8	15	36.5	67	69	75	208	1379	79.7
70294	_62	_ 8	11	6	15	40	65	70	80	221	1416	81.8
74700	55	16	11	4	28	59	94	90	100	251	1632	94.3

73684         69         16         16         5         27         63.5         83         93         95         259         1567           70253         61         8         10         3         24         44.5         72         81         88         250         1511           73312         57         9         9         15         29         61.5         84         64         89         239         1488           74554         60         6         9         2         19         36         90         84         90         268         1609           75539         63         7         10         12         24         53         76         79         85         233         1491           71305         60         4         10         4         19         37         75         76         64         173         1365           72774         57         9         10         12         15         45.5         75         71         73         223         1484           71309         73         13         11         14         31         69         89         86	90.6 87.3 86.0 93.0 86.2 78.9 85.8 94.0 78.6 78.5
73312         57         9         9         15         29         61.5         84         64         89         239         1488           74554         60         6         9         2         19         36         90         84         90         268         1609           75539         63         7         10         12         24         53         76         79         85         233         1491           71305         60         4         10         4         19         37         75         76         64         173         1365           72774         57         9         10         12         15         45.5         75         71         73         223         1484           71309         73         13         11         14         31         69         89         86         88         290         1626           76411         55         13         11         6         21         51         86         65         62         150         1359           76105         59         3         4         5         14         26         70         79	86.0 93.0 86.2 78.9 85.8 94.0 78.6 78.5
74554         60         6         9         2         19         36         90         84         90         268         1609           75539         63         7         10         12         24         53         76         79         85         233         1491           71305         60         4         10         4         19         37         75         76         64         173         1365           72774         57         9         10         12         15         45.5         75         71         73         223         1484           71309         73         13         11         14         31         69         89         86         88         290         1626           76411         55         13         11         6         21         51         86         65         62         150         1359           76105         59         3         4         5         14         26         70         79         86         248         1516           73948         55         9         7         6         23         44.5         79         80	93.0 86.2 78.9 85.8 94.0 78.6 78.5 89.7
75539         63         7         10         12         24         53         76         79         85         233         1491           71305         60         4         10         4         19         37         75         76         64         173         1365           72774         57         9         10         12         15         45.5         75         71         73         223         1484           71309         73         13         11         14         31         69         89         86         88         290         1626           76411         55         13         11         6         21         51         86         65         62         150         1359           76105         59         3         4         5         14         26         70         79         86         248         1516           73948         55         9         7         6         23         44.5         79         80         72         281         1552           72169         56         12         9         9         21         50.5         82         70	86.2 78.9 85.8 94.0 78.6 78.5 89.7
71305         60         4         10         4         19         37         75         76         64         173         1365           72774         57         9         10         12         15         45.5         75         71         73         223         1484           71309         73         13         11         14         31         69         89         86         88         290         1626           76411         55         13         11         6         21         51         86         65         62         150         1359           76105         59         3         4         5         14         26         70         79         86         248         1516           73948         55         9         7         6         23         44.5         79         80         72         281         1552           72169         56         12         9         9         21         50.5         82         70         81         240         1485           87104         70         9         13         12         19         53         79         93	78.9 85.8 94.0 78.6 78.5 89.7
72774         57         9         10         12         15         45.5         75         71         73         223         1484           71309         73         13         11         14         31         69         89         86         88         290         1626           76411         55         13         11         6         21         51         86         65         62         150         1359           76105         59         3         4         5         14         26         70         79         86         248         1516           73948         55         9         7         6         23         44.5         79         80         72         281         1552           72169         56         12         9         9         21         50.5         82         70         81         240         1485           87104         70         9         13         12         19         53         79         93         92         281         1637	85.8 94.0 78.6 78.5 89.7
71309         73         13         11         14         31         69         89         86         88         290         1626           76411         55         13         11         6         21         51         86         65         62         150         1359           76105         59         3         4         5         14         26         70         79         86         248         1516           73948         55         9         7         6         23         44.5         79         80         72         281         1552           72169         56         12         9         9         21         50.5         82         70         81         240         1485           87104         70         9         13         12         19         53         79         93         92         281         1637	94.0 78.6 78.5 89.7
76411     55     13     11     6     21     51     86     65     62     150     1359       76105     59     3     4     5     14     26     70     79     86     248     1516       73948     55     9     7     6     23     44.5     79     80     72     281     1552       72169     56     12     9     9     21     50.5     82     70     81     240     1485       87104     70     9     13     12     19     53     79     93     92     281     1637	78.6 78.5 89.7
76105         59         3         4         5         14         26         70         79         86         248         1516           73948         55         9         7         6         23         44.5         79         80         72         281         1552           72169         56         12         9         9         21         50.5         82         70         81         240         1485           87104         70         9         13         12         19         53         79         93         92         281         1637	78.5 89.7
73948         55         9         7         6         23         44.5         79         80         72         281         1552           72169         56         12         9         9         21         50.5         82         70         81         240         1485           87104         70         9         13         12         19         53         79         93         92         281         1637	89.7
72169     56     12     9     9     21     50.5     82     70     81     240     1485       87104     70     9     13     12     19     53     79     93     92     281     1637	
87104 70 9 13 12 19 53 79 93 92 281 1637	
	85.8
l =0.5 4 5 5 6 4 5 5 6 4 6 5 6 5 6 5 6 5 6 5	94.6
70154 58 19 9 2 14 44 96 73 74 250 1457	84.2
76511 73 5 9 4 24 41.5 57 53 63 258 1342	77.6
74023 50 16 12 7 30 64.5 94 96 94 279 1606	92.8
72485 61 10 12 9 28 58.5 75 79 96 252 1538	88.9
75699 72 11 10 5 18 43.5 79 59 54 241 1379	79.7
74532 60 19 18 8 29 73.5 94 77 80 243 1525	88.2
74506 59 10 12 12 21 55 84 77 79 223 1507	87.1
72638 59 6 11 4 20 40.5 69 73 77 217 1430	82.7
72650 59 7 8 6 25 46 92 93 97 289 1651	95.4
70271 84 12 17 5 33 67 81 100 99 299 1692	97.8
72911 46 5 7 4 15 30.5 72 73 79 221 1472	85.1
73360 66 12 10 4 19 45 82 66 63 196 1355	78.3
72032 54 16 16 12 27 70.5 86 97 94 287 1636	94.6
70984 60 13 11 8 16 47.5 88 72 75 212 1415	81.8
72130 61 4 9 5 13 31 53 75 61 195 1366	79.0
75012 68 17 13 11 21 61.5 93 58 86 240 1510	87.3
72414 78 19 17 5 22 63 95 78 82 265 1576	91.1
76016 53 6 10 3 28 47 76 77 94 270 1566	90.5
71419 50 7 8 8 27 50 86 81 88 260 1548	89.5
71804 60 12 12 8 17 49 92 83 95 272 1624	93.9
73425 70 17 17 4 33 70.5 98 99 100 295 1707	98.7
70933 68 9 10 7 28 53.5 88 95 99 296 1691	97.7
76013 58 7 11 4 17 38.5 83 61 83 242 1495	86.4
73223 78 8 11 6 26 51 86 73 73 241 1536	88.8
70431 68 10 13 6 17 46 81 62 72 206 1422	82.2
74192 63 14 13 4 22 52.5 90 95 94 288 1647	95.2
73094 61 7 13 6 29 55 96 91 100 290 1673	96.7
72157 60 13 11 11 18 53 88 88 93 253 1588	91.8
74878 58 9 12 5 12 37.5 79 74 81 220 1449	83.8
73058 69 10 14 5 28 56.5 84 96 97 294 1649	95.3
71948 57 5 12 6 18 41 55 55 76 210 1369	79.1

								_ ,				
73489	66	7	10	8	18	42.5	77	82	90	252	1513	87.5
48157	57	13	12	6	17	47.5	87	83	94	266	1603	92.7
72375	57	_ 7	10	8	28	52.5	76	86	84	269	1500	86.7
70504	56	4	9	1	11	25	66	60	_ 59	200	1306	75.5
85914	85	16	14	5	38	73	95	92	97	297	1652	95.5
76598	62	8	10	5	22	45	74	69	65	208	1371	79.2
72451	88	16	16	6	36	73.5	84	91	97	279	1656	95.7
70443	71	7	13	5	18	42.5	67	67	80	_208	1376	79.5
75381	62	16	13	8	27	64	94	79	93	258	1595	92.2
72363	66	9	14	5	20	47.5	84	87	89	286	1609	93.0
73147	60	13	13	6	30	61.5	84	89	88	266	1584	91.6
76599	60	6	5	2	16	29	63	61	78	201	1293	74.7
71546	62	6	10	4	16	36	63	56	62	168	1356	78.4
76120	63	16	13	4	25	57.5	86	84	79	284	1542	89.1
72756	68	18	10	5	11	43.5	94	88	94	283	1626	94.0
70844	63	9	14	5	28	55.5	89	96	99	281	1661	96.0
73560	62	16	13	5	19	53	83	61	57	227	1332	77.0
72134	63	6	_10	10	19	44.5	76	62	58	256	1420	82.1
74599	75	8	15	4	18	44.5	80	72	91	208	1513	87.5
73052	53	6	9	4	14	32.5	72	65	76	233	1351	78.1
71806	76	13	13	7	29	62	87	90	95	283	1611	93.1
76309	72	19	11	9	20	58.5	92	75	89	235	1490	86.1
70100	54	9	14	3	27	53	73	97	88	283	1609	93.0
72597	56	10	9	8	20	46.5	78	61	84	253	1474	85.2
74519	75	8	8	7	12	34.5	82	85	81	218	1639	84.9
71065	74	13	16	9	24	62	92	86	85	280	1615	93.4
73385	75	14	19	20	36	88.5	87	87	94	273	1531	88.5
75551	55	10	5	7	9	31	72	55	58	150	1267	73.2
70403	60	9	8	5	16	37.5	76	89	71	278	1521	87.9
73066	66	14	20	5	33	71.5	90	93	98	287	1639	94.7
74135	88	18	15	_11	26	69.5	92	73	86	270	1517	87.7

· · · · · ·		- 7	·									
73575	57	8	_ 7	<u> </u>	20	38	69	66	88	216	1480	85.5
72116	63	12	10	10	22	53.5	87	73	86	226	1494	_ 86.4
72550	80	15	15	5	.36	71	92	96	97	288	1667	96.4
75062	58	8	8	2	27	44.5	79	67	_85	273	1540	89.0
73883	63	5	14	6	21	- 46	-61	55	58	211	1270	73.4
72656	57	8	12	6	20	45.5	78	90	. 99	285	1607	92.9
76359	55	5	14	5	11	35	65	. 68	69	237	1420	82.1
74285	76	7	11	8	11	37	61	61	74	196	1307	75.5
72765	60	4	11	6	21	41.5	66	-81	87	260	1500	86.7
74591	74	13	12	14	34	72.5	89	91	90	287	1661	96.0
74543	62	4	9	5	15	32.5	71	72	80	225	1463	84.6
71326	56	13	11	7	14	44.5	. 77	57	57	_156	1252	72.4
70272	68	8	13	5	20	46	73	57	65	242	1436	83.0
70664	51	6	.11	6	21	43.5	79	94	99	288	1647	95.2
70391	74	12	14	4	25	55	81	88	94	291	1632	94.3
75422	73	6	11	4	24	45	58	70	60	200	1248	72.1
76218	49	4	6	2	17	28.5	88	80	92	269	1546	89.4
74275	58	9	11	3	19	41.5	_ 78	64	78	207	1443	83.4
74889	61	17	16	15	38	86	95	96	100	291	1672	96.6
76301	55	7	12	9	. 18	45.5	72	75	85	250	1442	83.4
74429	64	10	<sup>'</sup> 13	5	21	49	75	88	78	241	1526	88.2
75159	56	7	6	5	12	30	77	63	56	227	1400	80.9
73898	60	7	8	5	15	34.5	57	54	77	174	1413	73.2
72775	56	7	9	8	15	39	84	69	62	206	1262	72.9
72269	57	7	_ 5	4	14	30	72	70	7.0	194	1234	71.3
71463	79	14	10	7	21	51.5	89	87	95	244	1619	93.6
70405	73	15	- 9	4	21	48.5	85	73	74	279	1526	88.2
72782	57	5	6	6	14	30.5	51	55	51	172	1167	67.5
71096	82	19	18	4	31	71.5	91	88	86	295	1605	92.8
70302	80	18	18	4	31	71	97	95	97	286	1662	96.1
72515	60	9	12	- 5	21	46.5	63	69	60	188	1328	76.8
73713	66	11	15	12	34	72	95	92	98	293	1692	97.8
70090	61	5	8	5	14	31.5	89	90	94	277	1628	94.1
74224		13	9	4	20	45.5		75	62	204	1402	81.0
76327	58	9	11	8	22	50	80	84	98	281	1604	92.7
75216	54	5	6	7	14	32	71	60	71	256	1454	84.0
72816	,	15	14	3	21	52.5	87	88	89	260	1519	87.8
73157	75	7	11	4	17	39	82	85	74	228	1532	
72483	48	- 5	10	7	18	40	60	79	80	213		
74258	, ,	15		6	20	51.5		84	92	259		
72646	81	16	11	8	36			97	95	287	1668	
73135	70	17	16	7	37	76.5	97	95	100	300	1712	
76081		8			18	37		67		192		
71041	-			7.				95		281		

	$\overline{}$										<del></del>	
74637	82	18	16	7	36	76.5	100	100	98	277	1681	97.2
75457	56	12	. 7	6	27	51.5	82	82	88	255	1592	92.0
74215	69	20	15	10	24	68.5	82	77	78	267	1519	87.8
73695	56	13	11	12	19	55	93	81	80	240	1513	87.5
72622	72	_7	4	10	19	39.5	93	90	93	285	1597	92.3
73060	56	6	14	2	17	38.5	72	82	91	251	1469	84.9
49408	62	6	10	3	22	41	84	87	96	291	1650	95.4
71021	60	15	10	3	20	47.5	90	74	81	220	1466	84.7
71370	63	10	15	11	31	66.5	84	85	88	281	1588	91.8
74479	52	8	. 8	6	30	51.5	75	77	81	261	1490	86.1
74099	64	7	12	5	11	35	74	60	58	192	1338	77.3
71591	73	11	15	2	29	57	87	93	92	237	1568	90.6
72580	63	6	9	3	15	33	71	84	74	236	1467	84.8
74080	68	15	10	3	14	42	86	62	68	159	1359	78.6
73788	51	6	14	5	28	53	81	89	99	284	1632	94.3
71690	78	20	_16	5	31	72	97	94	95	284	1632	94.3
76299	60	19	12	6	25	61.5	92	74	75	266	1496	86.5
74867	72	19	15	12	22	67.5	93	93	94	268	1637	94.6
74098	73	13	_17	6	_33	69	81	85	89	280	1563	90.3
73352	66	18	17	8	35	78	97	98	100	290	1702	98.4
74955	55	8	11	3	17	38.5	70	59	72	207	1381	79.8
85424	52	8	10	4	24	45.5	82	93	91	<u>2</u> 74	1603	92.7
73641	80	19	16	4	33	72	99	96	100	292	1655	95.7
72290	57	. 9	10	4	19	42	87	83	84	261	1524	88.1
72471	77	17	16	6	27	65.5	90	98	93	281	1642	94.9
74803	50	8	12	7	34	60.5	83	89	92	290	1620	93.6
72099	60	13	11	_ 3	24	50.5	90	83	93	251	1606	92.8
71888	_57	_ 7	5	4	10	25.5	67	73	70	202	1410	81.5
71629	58	7	12	_ 8	34	61	75	79	93	283	1569	90.7
76150	63	13	7	2	15	37	92	78	69	191	1431	82.7
74205	67	12	11	_11	29	62.5	81	85	95	276	1616	93.4
74918	68	8	9	8	23	48	83	79	_ 91	283	1565	90.5
76441	70	19	12	7	25	62.5	93	87	75	272	1557	90.0
75911	60	4		3	13	27	74	76	87	256	1543	89.2
75173	53	7	7	_ 5	22	41	73	80	85	231	1536	88.8
73294	74	13	11	6	22	51.5	84	67	80	251	1532	88.6
72872	64	7	14	3		46.5	89	83	96	246	1581	91.4
70112	30	3	9	2	15	29	82	81	90	266	1589	91.8
73445	61	15	9	4	23	51	94	80	84	247	1523	88.0
70992	63	7	10	10	19	46	80	64	73	225	1438	83.1
74877	67	5	7	7	16	35	_60	53	52	187	1253	72.4
73667	69	_12	13	6	16	47	79	78	63	207	1374	79.4
71875	55	15	12	5	22	54	92	82	84	262	1594	92.1
70023	54	11	10	5	21	46.5	81	79	81	209	1505	87.0

<del></del>							—— ¬					
71384	63	7	9	- 8	28	52	82	77	72	257	1420	82.1
76077	62	9	12	3	23	47	84	78	89	198	1507	87.1
71365	60	4	9	8	_13	34	81	74	73	207	1388	80.2
70810	69	9	14	7	25	54.5	93	87	89	274	1611	93.1
76347	76	20	14	5	32	70.5	98	83	88	272	1594	92.1
71137	58	12	11	14	30	67	91	72	90	240	1557	90.0
76550	70	17	11	6	24	58	81	66	89	243	1512	87.4
71518	67	8	10	_7	22	46.5	71	78	81	256	1422	82.2
70704	69	14	11	10	23	58	75	67	68	191	1330	76.9
72830	64	6	14	_7	29	56	70	88	92	280	1602	92.6
72031	72	17	8	_2	8	34.5	87	55	59	178	1266	73.2
72642	61	_ 6	10	- 6	19	41	55	78	77	224	1461	84.5
74978	63	5	10	7	18	39.5	68	78	70	265	1505	87.0
73116	66	10	10	_ 4	24	47.5	79	65	78	236	1490	86.1
71533	57	12	8	4	14	38	84	73	72	173	1424	82.3
75249	48	7	11	6	26	49.5	83	76	87	235	1481	85.6
75107	60	6	13	7	14	39.5	75	55	75	207	1383	79.9
74824	62	5	12	13	24	53.5	77	65	83	273	1463	84.6
73950	50	8	13	_ 4	32	57	91	93	93	280	1657	95.8
73544	72	14	14	_6	20	53.5	89	69	83	217	1475	85.3
72060	48	9	10	4	10	32.5	71	63	60	223	1353	78.2
76125	68	11	10	10	29	59.5	91	79	86	277	1567	90.6
73681	55	5	10	10	17	42	68	67	67	210	1406	81.3
76160	68	10	15	3	31	59	86	80	82	268	1508	87.2
71336	65	11	10	5	31	57	89	92	92	272	1619	93.6
72918	70	7	9	_ 4	12	31.5	68	64	66	190	1365	78.9
71188	72	7	12	_ 4	28	50.5	85	82	90	298	1617	93.5
76181	61	6	14	4	29	52.5	90	97	98	278	1661	96.0
72708	66	15	15	5	37	71.5	89	96	100	299	1685	97.4
70558	66	8	12	3	25	47.5	88	83	93	275	1574	91.0
73967	59	5	_11	5	16	37	73	75	75	253	1479	85.5
45750	58	8	13	6	26	53	83	76	74	254	1490	86.1
73650	65	6	9	5	18	38	61	55	64	186	1213	70.1
73490	58	12	9	4		40.5	71	61	62	171	1369	79.1
70655			7	3	17			70	76	220	1408	81.4
70632	60	9	7	12	34	62	82	79	96	258	1552	89.7
71038	66	13		8		67.5	94	89	96	281	<del>                                     </del>	1
72817	69	11	12	9	11	42.5	81	71	70	203	<del></del>	82.2
70885		_2	8			30	66	51	50	155	1231	
71079	79	16	13		27	59	87	82	81	220	1497	86.5
75464	_59	9	12			51.5	83	70	74	266	1477	85.4
76523	71	14	15	4	24	56.5	90	97	88	280	1648	95.3
					ı							
73357 72428	58		12	5	29	61.5	92	80	90	269	1581	91.4

76603 55 4 7 5 5 21 68 66 70 174	1348	77.9
75360 60 8 6 3 20 36.5 61 50 56 218	1351	78.1
74695 71 14 14 4 26 58 89 97 94 284	1655	95.7
74268 56 5 8 5 17 35 78 63 86 243	1517	87.7
74561 67 10 15 4 27 56 88 96 93 267	1608	92.9
74531 57 3 13 7 19 42 70 74 71 233	1429	82.6
70683 66 18 17 6 36 77 98 100 99 295	1699	98.2
73338 49 6 10 14 22 52 84 90 98 274	1641	94.9
73444 70 10 11 5 22 47.5 87 72 87 256	1553	89.8
72153 63 7 12 9 33 60.5 77 82 91 265	1575	91.0
70530 66 8 10 4 26 47.5 78 78 64 266	1507	87.1
74340 64 5 7 2 18 31.5 78 80 88 208	1473	85.1
70115 61 4 10 6 20 39.5 77 90 82 272	1556	89.9
70766 49 14 12 5 28 58.5 81 77 92 262	1500	86.7
73643 66 5 10 6 14 34.5 79 75 85 267	1527	88.3
73082 70 7 9 6 23 44.5 84 90 91 281	1591	92.0
70669 57 8 12 6 20 45.5 50 66 64 219	1350	78.0
76497 70 17 11 8 18 54 90 67 80 206	1471	85.0
71568 59 6 11 5 21 43 70 80 85 251	1511	87.3
73797 60 14 12 5 21 52 88 81 73 261	1513	87.5
70575 54 14 11 6 23 54 96 68 85 225	1506	87.1
74158 66 10 12 14 22 58 81 67 91 217	1494	86.4
75202 56 2 10 10 20 41.5 77 75 79 233	1474	85.2
72994 69 9 16 13 28 66 65 68 68 224	1427	82.5
73962 60 7 10 10 18 45 55 56 55 219	1343	77.6
73477 57 6 9 4 14 33 81 74 81 235	1521	87.9
72475 55 4 9 5 8 25.5 69 70 70 219	1414	81.7
71958 61 13 11 5 15 44 80 78 82 264	1542	89.1
76073 72 7 9 6 22 43.5 81 80 86 249	1526	88.2
72320 62 4 10 3 15 32 60 61 68 207	1236	71.4
71563 55 15 13 8 22 57.5 75 76 83 263	1538	88.9
76264 66 13 15 3 21 52 91 93 90 269	1600	92.5
75242 49 14 6 5 29 53.5 91 91 94 289	1665	96.2
70731 59 14 10 10 18 52 84 77 89 253	1594	92.1
73374 56 7 8 4 16 34.5 65 64 63 246	1383	79.9
70358 64 12 13 5 19 49 77 84 83 237	1537	88.8
76178 68 7 10 6 19 42 81 70 86 241	1515	87.6
75369 63 13 8 6 22 48.5 86 70 85 243	1496	86.5
71125 70 19 15 5 36 74.5 97 100 100 300	1714	99.1
70476 75 14 7 9 15 44.5 87 75 84 247	1526	88.2
73834 56 7 8 4 15 34 86 95 93 283	1642	94.9
74121 58 6 8 6 13 33 66 55 56 186	1254	72.5
70314 63 10 7 7 21 44.5 70 77 83 216	1455	84.1
, , , , , , , <del>, , , , , , , , , , , , </del>		

74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4           72422         83         13         14         16         34         77         90         86         94         284         1640         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72754         62         15         16         4         31         65.5         96         96         99         260         1648         95.3           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           75523													
73343         57         9         6         1         25         41         76         65         84         261         1483         85.7           73249         57         14         7         2         11         33.5         74         72         64         208         1311         75.8           75741         60         9         10         2         17         37.5         85         72         82         251         1524         88.1           75100         59         4         17         6         28         54.5         80         94         99         291         1645         95.1           71359         49         13         10         4         19         45.5         96         96         94         283         1676         96.9         96.9         263         1577         91.2         1646         96.9         96         99         263         1577         91.2         88.3         79         96         263         1577         91.2         88.3         74         72         90         263         1577         91.2         88.3         74         72         98         265	71195	69	17	16	16	36	84.5	93	98	99	296	1692	97.8
73249         57         14         7         2         11         33.5         74         72         64         206         1311         75.8         85         72         82         251         1524         88.1           7541         60         9         10         2         17         37.5         85         72         82         251         1524         88.1           75100         59         4         17         6         28         54.5         80         94         99         291         1645         95.1           71359         49         13         10         4         19         45.5         96         96         94         283         1676         96.9         96         70746         43         11         7         5         26         49         83         79         96         263         1577         91.2         70746         41         10         30         63.5         87         92         96         258         1615         93.4           70343         61         10         14         10         30         63.5         87         92         96         258         1615 <td>77837</td> <td>55</td> <td>5</td> <td>9</td> <td>7</td> <td>9</td> <td>29.5</td> <td>63</td> <td>71</td> <td>66</td> <td>205</td> <td>1349</td> <td>78.0</td>	77837	55	5	9	7	9	29.5	63	71	66	205	1349	78.0
75741         60         9         10         2         17         37.5         85         72         82         251         1524         88.1           72648         78         6         13         4         23         46         60         53         70         243         1355         78.3           75100         59         4         17         6         28         54.5         80         94         99         291         1645         95.1           71359         49         13         10         4         19         45.5         96         96         94         283         1676         96.96         99         209         127         19.2         7098         60         12         9         5         27         52.5         85         85         88         225         1527         88.3         19         92         96         258         1615         99.4         79         96         258         1615         99.4         79         98         258         164         1614         94.5         77         92         96         258         1615         99.4         78         78         92         96	73343	57	9	6	1	25	41	76	65	84	261	1483	85.7
72648         78         6         13         4         23         46         60         53         70         243         1355         78.3           75100         59         4         17         6         28         54.5         80         94         99         291         1645         95.1           71359         49         13         10         4         19         45.5         96         96         94         283         1676         96.9           70746         43         11         7         5         26         49         83         79         96         263         1577         91.2           70988         60         12         9         5         27         52.5         85         85         88         225         1527         88.3           74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4         88.3         11         10         88         14         11         03         63.5         87         92         96         258         1616         94.8         98         94	73249	57	14	7	2	11	33.5	74	72	64	208	1311	75.8
75100         59         4         17         6         28         54.5         80         94         99         291         1645         95.1           71640         68         12         13         14         15         53.5         80         77         92         174         1436         83.0           71359         49         13         10         4         19         45.5         96         96         94         283         1676         96.96           70746         43         11         7         5         26         49         83         79         96         263         1577         91.2           70988         60         12         9         5         27         52.5         85         85         88         225         1527         88.3           74332         61         10         14         10         30         63.5         87         92         96         258         1615         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436	75741	60	9	10	2	17	37.5	85	72	82	251	1524	88.1
71640         68         12         13         14         15         53.5         80         77         92         174         1436         83.0           71359         49         13         10         4         19         45.5         96         96         94         283         1676         96.96           70746         43         11         7         5         26         49         83         79         96         263         1577         91.2           70988         60         12         9         5         27         52.5         85         85         88         225         1527         88.3           74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4         48.8         160         94.284         1640         94.8         77.1         90         86         94         284         1640         94.8         77.1         94.26         1648         95.3         74.1         14         12         33         1513         87.5         88         94         283         1634         94.5         94.5         37.	72648	78	6	13	4	23	46	60	53	70	243	1355	78.3
71359         49         13         10         4         19         45.5         96         94         283         1676         96.96           70746         43         11         7         5         26         49         83         79         96         263         1577         91.2           70988         60         12         9         5         27         52.5         85         85         88         225         1527         88.3           74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4           72422         83         13         14         16         34         77         90         86         94         284         1640         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72234         60	75100	59	4	17	6	28	54.5	80	94	99	291	1645	95.1
70746         43         11         7         5         26         49         83         79         96         263         1577         91.2           70988         60         12         9         5         27         52.5         85         85         88         225         1527         88.3           74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4           72422         83         13         14         16         34         77         90         86         94         284         1640         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           72234	71640	68	12	13	14	15	53.5	80	77	92	174	1436	83.0
70988         60         12         9         5         27         52.5         85         85         88         225         1527         88.3           74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4           72422         83         13         14         16         34         77         90         86         94         284         1640         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73907	71359	49	_13	10	4	19	45.5	96	96	94	283	1676	96.9
74332         61         10         14         10         30         63.5         87         92         96         258         1615         93.4           72422         83         13         14         16         34         77         90         86         94         284         1640         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           755523	70746	43	11	7	5	26	49	83	79	96	263	1577	91.2
72422         83         13         14         16         34         77         90         86         94         284         1640         94.8           70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72754         62         15         16         4         31         65.5         96         96         99         260         1648         95.3           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           75523	70988	60	12	9	5	27	52.5	85	85	88	225	1527	88.3
70247         64         11         10         8         18         47         85         81         70         233         1513         87.5           71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72754         62         15         16         4         31         65.5         96         96         99         260         1648         95.3           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73662         77         12         14         9         29         63.5         81         66         70         232         1461         84.5           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           75523	74332	61	10	14	10	30	63.5	87	92	96	258	1615	93.4
71436         58         8         14         11         23         56         87         88         94         283         1634         94.5           72754         62         15         16         4         31         65.5         96         96         99         260         1648         95.3           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73662         77         12         14         9         29         63.5         81         66         70         232         1461         84.5           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           70641         66         13         12         26         51         91         67         77         211         1393         80.5           71680         75	72422	83	13	14	16	34	77	90	86	94	284	1640	94.8
72754         62         15         16         4         31         65.5         96         96         99         260         1648         95.3           72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73662         77         12         14         9         29         63.5         81         66         70         232         1461         84.5           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           70641         66         13         12         26         51         91         67         77         211         1393         80.5           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           72571         77	70247	64	11	10	8	18	47	85	81	70	233	1513	87.5
72234         60         7         13         5         21         46         83         90         93         243         1588         91.8           71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73662         77         12         14         9         29         63.5         81         66         70         232         1461         84.5           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           70641         66         13         12         26         51         91         67         77         211         1393         80.5           75523         60         8         8         4         13         32.5         80         63         66         196         1365         78.9           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           72571         77	71436	58	8	14	11	23	56	87	88	94	283	1634	94.5
71811         60         10         8         3         21         42         75         80         96         270         1579         91.3           73662         77         12         14         9         29         63.5         81         66         70         232         1461         84.5           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           70641         66         13         12         26         51         91         67         77         211         1393         80.5           75523         60         8         8         4         13         32.5         80         63         66         196         1365         78.9           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           70525         56         4         7         9         14         34         86         78         20         71         1478         85.4         85         95         263         <	72754	62	15	16	4	31	65.5	96	96	99	260	1648	95.3
73662         77         12         14         9         29         63.5         81         66         70         232         1461         84.5           73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           70641         66         13         12         26         51         91         67         77         211         1393         80.5           75523         60         8         8         4         13         32.5         80         63         66         196         1365         78.9           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           70525         56         4         7         9         14         34         86         78         80         271         1478         85.4           72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         9	72234	60	7	13	5	21	46	83	90	93	243	1588	91.8
73907         63         10         11         2         15         37.5         81         79         93         246         1531         88.5           70641         66         13         12         26         51         91         67         77         211         1393         80.5           75523         60         8         8         4         13         32.5         80         63         66         196         1365         78.9           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           70525         56         4         7         9         14         34         86         78         80         271         1478         85.4           72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         9         16         6         23         54         74         85         95         263         1613         93.2           75354         58         9 <td< td=""><td>71811</td><td>60</td><td>10</td><td>8</td><td>3</td><td>21</td><td>42</td><td>75</td><td>80</td><td>96</td><td>270</td><td>1579</td><td>91.3</td></td<>	71811	60	10	8	3	21	42	75	80	96	270	1579	91.3
70641         66         13         12         26         51         91         67         77         211         1393         80.5           75523         60         8         8         4         13         32.5         80         63         66         196         1365         78.9           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           70525         56         4         7         9         14         34         86         78         80         271         1478         85.4           72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         60         7         14         4         14         38.5         84         85         95         263         1613         93.2           75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48 <td< td=""><td>73662</td><td>77</td><td>12</td><td>14</td><td>9</td><td>29</td><td>63.5</td><td>81</td><td>66</td><td>70</td><td>232</td><td>1461</td><td>84.5</td></td<>	73662	77	12	14	9	29	63.5	81	66	70	232	1461	84.5
75523         60         8         8         4         13         32.5         80         63         66         196         1365         78.9           71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           70525         56         4         7         9         14         34         86         78         80         271         1478         85.4           72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         60         7         14         4         14         38.5         84         85         95         263         1613         93.2           75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300 <t< td=""><td>73907</td><td>63</td><td>10</td><td>11</td><td>_ 2</td><td>15</td><td>37.5</td><td>81</td><td>79</td><td>93</td><td>246</td><td>1531</td><td>88.5</td></t<>	73907	63	10	11	_ 2	15	37.5	81	79	93	246	1531	88.5
71680         75         17         14         15         31         77         94         79         96         278         1638         94.7           70525         56         4         7         9         14         34         86         78         80         271         1478         85.4           72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         60         7         14         4         14         38.5         84         85         95         263         1613         93.2           75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921 <td< td=""><td>70641</td><td>66</td><td>13</td><td>12</td><td></td><td>26</td><td>51</td><td>91</td><td>67</td><td>77</td><td>211</td><td>1393</td><td>80.5</td></td<>	70641	66	13	12		26	51	91	67	77	211	1393	80.5
70525         56         4         7         9         14         34         86         78         80         271         1478         85.4           72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         60         7         14         4         14         38.5         84         85         95         263         1613         93.2           75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         5	75523	60	8	8	4	13	32.5	80	63	66	196	1365	78.9
72571         77         9         16         6         23         54         74         85         77         238         1489         86.1           71737         60         7         14         4         14         38.5         84         85         95         263         1613         93.2           75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         5	71680	75	17	14	15	31	77	94	79	96	278	1638	94.7
71737         60         7         14         4         14         38.5         84         85         95         263         1613         93.2           75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809	70525	56	4	7	9	14	34	86	78	80	271	1478	85.4
75354         58         9         10         3         26         48         84         56         78         263         1460         84.4           70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901	72571	77	9	16	6	23	54	74	85	77	238	1489	86.1
70865         48         18         11         4         25         57.5         93         76         83         254         1508         87.2           75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901         60         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51 <t< td=""><td>71737</td><td>60</td><td>7</td><td>14</td><td>4</td><td>14</td><td>38.5</td><td>84</td><td>85</td><td>95</td><td>263</td><td>1613</td><td>93.2</td></t<>	71737	60	7	14	4	14	38.5	84	85	95	263	1613	93.2
75300         55         7         10         7         29         53         83         80         92         284         1569         90.7           72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901         60         6         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751	75354	58	9	10	3	26	48	84	56	78	263	1460	84.4
72921         46         9         7         11         28         55         89         91         98         282         1648         95.3           72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901         60         6         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395 <td< td=""><td>70865</td><td>48</td><td>18</td><td>_11</td><td>4</td><td>25</td><td>57.5</td><td>. 93</td><td>76</td><td>83</td><td>254</td><td>1508</td><td>87.2</td></td<>	70865	48	18	_11	4	25	57.5	. 93	76	83	254	1508	87.2
72306         57         5         8         5         20         38         74         50         61         204         1438         83.1           75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901         60         6         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554	75300	55	_ 7	10	7	29	53	83	80	92	284	1569	90.7
75829         57         12         11         2         18         43         86         80         81         255         1537         88.8           72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901         60         6         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554         60         6         10         6         28         50         88         90         86         280         1600         92.5           73551	72921	46	9	7	11	28	55	89	91	98	282	1648	95.3
72809         60         16         14         5         37         72         94         95         100         278         1667         96.4           71901         60         6         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554         60         6         10         6         28         50         88         90         86         280         1600         92.5           73551         72         11         10         7         26         54         82         81         97         273         1558         90.1           74338	72306	57	5	8	5	20	38	74	50	61	204	1438	83.1
71901         60         6         6         21         38.5         57         62         59         207         1307         75.5           70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554         60         6         10         6         28         50         88         90         86         280         1600         92.5           73551         72         11         10         7         26         54         82         81         97         273         1558         90.1           74338         71         17         19         6         34         75.5         99         98         100         300         1716         99.2           72494         64	75829	57	12	11	2	18	43	86	80	81	255	1537	88.8
70153         51         8         16         1         26         50.5         97         92         97         274         1654         95.6           70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554         60         6         10         6         28         50         88         90         86         280         1600         92.5           73551         72         11         10         7         26         54         82         81         97         273         1558         90.1           74338         71         17         19         6         34         75.5         99         98         100         300         1716         99.2           72494         64         8         13         3         16         39.5         73         62         70         211         1293         74.7           72082	72809	60	16	14	5	37	72	94	95	100	278	1667	96.4
70751         57         15         10         7         18         50         91         74         92         232         1540         79.8           74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554         60         6         10         6         28         50         88         90         86         280         1600         92.5           73551         72         11         10         7         26         54         82         81         97         273         1558         90.1           74338         71         17         19         6         34         75.5         99         98         100         300         1716         99.2           72494         64         8         13         3         16         39.5         73         62         70         211         1293         74.7           72082         54         11         10         5         31         57         96         94         93         285         1676         96.9           70861	71901	60	6	6	6	21	38.5	57	62	59	207	1307	75.5
74395         77         14         14         16         30         73.5         88         79         91         284         1534         88.7           73554         60         6         10         6         28         50         88         90         86         280         1600         92.5           73551         72         11         10         7         26         54         82         81         97         273         1558         90.1           74338         71         17         19         6         34         75.5         99         98         100         300         1716         99.2           72494         64         8         13         3         16         39.5         73         62         70         211         1293         74.7           72082         54         11         10         5         31         57         96         94         93         285         1676         96.9           70861         65         6         11         2         23         41.5         81         87         91         284         1601         92.5	70153	51	8	16	1	26	50.5	97	92	97	274	1654	95.6
73554     60     6     10     6     28     50     88     90     86     280     1600     92.5       73551     72     11     10     7     26     54     82     81     97     273     1558     90.1       74338     71     17     19     6     34     75.5     99     98     100     300     1716     99.2       72494     64     8     13     3     16     39.5     73     62     70     211     1293     74.7       72082     54     11     10     5     31     57     96     94     93     285     1676     96.9       70861     65     6     11     2     23     41.5     81     87     91     284     1601     92.5	70751	57	15	10	7	18	50	91	74	92	232	1540	79.8
73551     72     11     10     7     26     54     82     81     97     273     1558     90.1       74338     71     17     19     6     34     75.5     99     98     100     300     1716     99.2       72494     64     8     13     3     16     39.5     73     62     70     211     1293     74.7       72082     54     11     10     5     31     57     96     94     93     285     1676     96.9       70861     65     6     11     2     23     41.5     81     87     91     284     1601     92.5	74395	77	14	14	16	30	73.5	88	79	91	284	1534	88.7
74338     71     17     19     6     34     75.5     99     98     100     300     1716     99.2       72494     64     8     13     3     16     39.5     73     62     70     211     1293     74.7       72082     54     11     10     5     31     57     96     94     93     285     1676     96.9       70861     65     6     11     2     23     41.5     81     87     91     284     1601     92.5	73554	60	6	10	6	28	50	88	90	86	280	1600	92.5
72494     64     8     13     3     16     39.5     73     62     70     211     1293     74.7       72082     54     11     10     5     31     57     96     94     93     285     1676     96.9       70861     65     6     11     2     23     41.5     81     87     91     284     1601     92.5	73551	72	11	10	7	26	54	82	81	97	273	1558	90.1
72082     54     11     10     5     31     57     96     94     93     285     1676     96.9       70861     65     6     11     2     23     41.5     81     87     91     284     1601     92.5	74338	71	_17	19	6	34	75.5	99	98	_100	300	1716	99.2
70861 65 6 11 2 23 41.5 81 87 91 284 1601 92.5	72494	64	8	13	3	16	39.5	73	62	70	211	1293	74.7
	72082	54	11	10	5	31	57	96	94	93	285	1676	96.9
73210 88 20 18 4 35 76.5 96 96 98 297 1695 98.0	70861	65	6	11	2	23	41.5	81	87	91	284	1601	92.5
	73210	88	_20	18	4	35	76.5	96	96	98	297	1695	98.0

72380	63	8	7	4	17	_36	69	61	58	188	1294	74.8
70507	67	11	11	7	18	46.5	58	_ 75	78	237	1395	80.6
74970	69	5	8	4	16	32.5	61	58	59	184	1309	75.7
70125	60	8	10	9	27	54	93	86	97	275	1637	94.6
73396	64	8	9	6	18	40.5	63	72	72	242	1481	85.6

