



# Estimated mud weight window for well bore stability

# case study aldinder field well tawakul-1

تقدير نافذة الطين الأمنة لضمان إستقرارية جدار البئر

حقل الدندر البئر (tawakul-1)

Project submitted in partial fulfillment of the requirement for the Bachelor of Engineering (Horns) Degree in petroleum Engineering

**Prepared by:** 

- 1. Ezdehar Osman Edress Gadam
- 2. Khatab Ahmed Ibrahim Ahmed
- 3. Merghani Habeballa Al Toume Alfaki
- 4. Mohi eldein Mohammed Osman Albadry
- 5. Musab Elkabashi Elmosharaf Osman

Supervisor:

- Dr. Ahmed Abdelaziz Ibrahim

Determine mud weight window to overcome wellbore instability Graduation project submitted to college of Petroleum Engineering and Technology in Sudan University of Science and Technology Submitted in Partial Fulfillment of the Requirement for the Bachelor of Engineering (Hones) Degree in Transportation and Refining Engineering

### **Prepared by:**

- 1. Ezdehar Osman Edress Gadam
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- 5. Musab Elkabashi Elmosharaf Osman

Supervisor:

# Dr. Ahmed Abdelaziz Ibrahim

This project is approved by College of Petroleum Engineering and Technology to petroleum Department

- Supervisor: Dr. Ahmed Abdelaziz Ibrahim



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سورة العلق الآيات (1-5)

#### **DEDICATION**

We dedicate this project to: our parents for the love and support they have provided throughout our entire life, they have been there for every decision we have made and help our dreams become reality, friends and their families for help and encouragement. Techers in petroleum engineering department, and specially and to all batch 4<sup>th</sup> petroleum engineering B. tech Students.

# ACKNOWLEDGEMENT

Acknowledgment First of all, we would like to thank Great and Almighty Allah who gave us the power to fulfill this study. Thanks, should be given to our supervisor's we would like to express our appreciation to our supervisor: **Dr. Ahmed** 

#### **Abdelaziz Ibrahim**

Furthermore, we thank the staff and lecturers at the university and our friends of various backgrounds that always supported us. Our special thanks also due to **Mr. Shazly Sayed Ahmed** for providing continuous assistance.

Thanks, and apologies to others whose contributions we may have missed or forgotten to acknowledge.

Last, but certainly not least, our heartfelt gratitude goes to our families for their patience, loving support and continual encouragement for their continuous advice and encouragement throughout the entire course of our study.

The greatest thanks for all which help us until this research completed and reached to this feature at top of them.

#### ABSTRACT

The Well bore instability is one of the main problems that engineers meet during drilling. The case study in this research estimated the formation pore pressure and fraction pressure using Eton and ratio mothed. The results show that the stability of wellbore is quite a challenge because of low pore pressure compare to the fracture pressure with an existing of the shallow gas beds. These findings concluded the section of the Blue Nile Basin has to be well cemented and close, although, the drilling fluid has to be at minimum as much of its pressure and density with slow operation speed and prepare to fluid washing process.

التجريد

عدم استقرارية جدار البئر تعتبر من المشاكل الرئيسية التي تقابل المهندسين اثناء عملية الحفر.

في هذا البحث تم تناول دراسة حقلية لتقدير ضغط الطبقات و ضغط تكسر الطبقات . لإختيار نافذة الطين الأمنة وموضع وطول أنابيب التغليف لضمان إستقرارية البئر باستخدام طريقة إتون والطريقة النسبية ،اظهرت النتائج أن إستقرارية جدار البئر تمثل تحدي بسبب الإنخفاض في الضغط المسامي للطبقات مقارنة بضغط الكسر للطبقة مع وجود طبقات الغاز الضحلة ،هذة النتائج تضمنت أن المقطع الموجود في حوض النيل الازرق يجب أن يكون مسمتناً بطريقة جيدة ومغلف

مع أن سائل الحفر يجب أن يكون قليلاً بطريقة تعادل الضغط والكثافة مع سرعة عملية منخفضة وان يتم تحضير عملية الغسل بالمائع .

# **Table of content**

الإستهلال	iii
Dedication.	iv
Acknowledg	gementv
Abstract	vi
التجريد	vii
Table of cor	ntent viii
List of Figur	resx
List of table	s xi
Chapter one	1 -
1.1	General Geological Description (Blue Nile Basin): 3 -
1.2	Problem statement: 7 -
1.3	Objectives: 7
Chapter two	- 9 -
Literature re	- 9 -
Chapter thre	ee 13 -
Methodolog	y 13 -
3.1	Ratio Method13-
3.2	Eaton Method13-
3.3	Overburden Pressure14 -

Chapter	er four	17 -
Re	esults and discussion	17-
4.1	1 Data collected:	17-
4.2	2 Pore pressure and fracture pressure estimation	23-
4.3	3 Discussion:	35-
Chapter	er fiveError! Bookn	nark not defined.
5.1	1 Conclusion:	37-
5.2	2. Recommendation	37-
reference	ices	38 -

# **List of Figures**

Figure (1-1) Tawakul Field Seismic	Error! Bookmark not defined.
Figure (4-1) Depth VS True Resistivity	23-
Figure (4-2) Mud window	35-

# List of tables

Table		(4.1)			collected			Data
			· · · · · · · · · · · · · · ·	•••••	Error! I	Bookmar	k not c	lefined.
Table(4.2)	Resistivity	y trend,	formatio	n por	e pressure	e ratio	and	fraction
pressure						•••••		Error!
Bookmark	not defined.							
Table (4.	3) over	burden	stress,	pore	pressure	Eaton	and	fraction
pressure						•••••		28-
Table (4.4	) Average	porepress	sure,aver	age fra	ction press	sure and	mud-	selection
		• • • • • • • • • • • • •				•••••		32-

# **Chapter One**

#### **Chapter One**

#### Introduction

Wellbore stability is a very complex phenomenon. Many factors can affect the stress distribution around a borehole during various drilling processes. The main factors that impact wellbore stability-rock properties, far-field principal stresses, wellbore trajectory, pore pressure, drilling fluid and pore fluid chemical properties, temperature, wellbore equivalent mud weight, and time.

Rock properties play a vital role in wellbore stability analysis because the wellbore stability occurs on the rock matrix. Rock types, Young's modulus, Poisson's ratio, Biot's constant, rock porosity, permeability, bulk density, cohesive strength, tensile strength and internal friction angle, natural fractures, etc. are parameters that affect wellbore stability performance .Even though rock properties cannot be controlled by drilling engineers, a better understanding of rock properties can help well planners to decrease risk by choosing a different well path or predicting correctly the rock behavior for borehole stability analysis.(**F. Zhang et al., 2016**).

There are Several well problems often arise during drilling related to the geomechanics and rock behavior and properties such as circulation loss and this is unplanned event that usually must be fixed before drilling can go on. Circulation losses where tensile failure occurred also may lead to loss of well control, consequential in a blowout, or lead to trouble in cleaning the borehole. Spalling and /or hole closure in case of compressive failure of the rock. Other problem is the Mechanical borehole collapse often happens at low borehole pressures, particularly in shales, chemical effects may induce hole enlargement or collapse. When water-based drilling fluids are used, the shale may react with the mud filtrate

(fluid that penetrates the wellbore wall), deteriorating the borehole, hole enlargement, unintentionally induced tensile fractures or difficult directional control incidents. In severe conditions, wellbore instability can increase non-productive time and create simultaneous frequencies of multiple instability incidents, which potentially can lead to stuck pipe, pack off, and eventual loss of the open hole section. (Mondal, Gunasekaran, & K Patel, 2013).

#### **1.1. General Geological Description (Blue Nile Basin):**

The Blue Nile basin originated in an area of Neoproterozoic rocks aged about 750Ma that had become a pen plain, possibly during the Paleozoic era (540 -250Ma). The basin was formed due to rifting during the Mesozoic era (250 -65Ma). Between the Triassic and early Jurassic, about 300m of fluvial sediments were deposited by rivers and streams. During the Jurassic (200 - 145Ma) the basin was twice covered by an arm of the Indian Ocean for extended periods, creating a lower limestone sediment 450m thick and an upper limestone sediment 400m. In the late Jurassic and early Cretaceous period the basin rose, and the 280m upper sandstone sediments are alluvial or fluvial. In total, about 1.4km of sediment was deposited over the basement rocks in this period. Later, the Afar mantle plume caused volcanic eruptions in the early and late Oligocene (34 - 23Ma), depositing volcanic rocks between 500 ~ 2000m thick, with further eruptions in the 300m of rock. Quaternary depositing another (GANI. DS. M. G. ABDELSALAM, 2008).

Block-8 is part of Blue Nile basin characterized by very complex geological structure. Seismic cross-sections for Tawakul-1 area are presented in Figures (1–1) explain many major and minor faults, but generally can be divided formations into classes from top to bottom as follows:

- Damazin Formation

- Dinder I Formation
- Dinder II Formation-
- Dinder III Formation
- Blue Nile Formation



Figure (1-1): Tawakul Field Seismic (Mohamed Ishaq, 2008)

Surface Layer: The upper section of the borehole starts from surface to top of Damazin formation. Consist of loose sandstone intervals interbedded with thin layers of claystone. The sandstone is fine to coarse grained, subangular to subrounded, poorly sorted and good porosity; sometimes there are traces of mica observed in the cutting samples. The claystone is light to medium grey and brown in color, soft to firm. Due to above description, drilling operation usually face drilling fluid losses problems, especially when drilling conductor hole. (Mohamed Ishaq,2008)

Damazin formation: This formation consists of claystone interbedded with sandstone layers. The claystone is light to dark grey, greenish grey, brownish grey and reddish brown in color and it is firm, minor moderately hard, subblocky to blocky and highly calcareous. The sandstone is unconsolidated, medium to fine grained and poorly sorted. It is noted that the percentage of claystone began in increasing, therefore it is common to use inhibition system, but this region (surface hole) can be successfully drilled using bentonite system when economic term is considered. The thickness of Damazin formation in this well between 167 To 424m MD and generally in Block-8 is variable from well to other. (Mohamed Ishaq,2008).

Dinder I formation: The upper part of this formation has more or less same percentage of clay stone and sandstone, but toward the base the clay stone is dominated. The clay stone is generally bluish grey in the upper part of the formation and change to become reddish brown to brown toward the base of this sequence. It is generally firm to moderately hard, sub blocky to blocky, silty, sandy in part, trace micro mica and slightly calcareous. The sandstone is coarse to very coarse grained fining downward and becoming silty toward the base of this sequence. It is generally translucent to transparent, unconsolidated, well to moderately sorted, sub rounded to angular, argillaceous matrix at places, traces pyrite at places, traces micromiceous and good to fair porosity. The thickness of Dindir-I formation in this well is between 424 to 1505mMD and generally in Block-8 is variable from well to other. (Mohamed Ishaq,2008).

Dindir-II Formation: This sequence is dominated by clay stone interbedded with thin beds of sandstone at the upper part of the formation and then changes to be only clay stone toward the base of the formation. The clay stone is medium to dark grey, reddish brown to brownish grey, occasionally greenish grey in color. It is firm to moderately hard, sub blocky to blocky, earthy, trace silty, trace micromicaceous and slightly calcareous. The sandstone is translucent to transparent, medium to coarse grained, occasionally fine grained at places, trace very coarse grained, unconsolidated, subrounded to subangular, moderately sorted, locally trace argillaceous matrix and fair porosity. Dinder-II thickness in this well is between 1505 to 2363m MD and generally in Block-8 is variable from well to other.

Dindir-III Formation: This formation is consisting mainly of clay stone interbedded with very thin layers of sandstone and siltstone. The clay stone is dark to medium grey, occasionally light grey, and trace reddish brown color. 1It is firm to moderately hard, blocky to subblocky, earthy, and occasionally silty at places and slightly to non-calcareous. The sandstone is transparent to translucent, unconsolidated, fine to medium grained, graded to silt stone at places, rounded to subrounded, moderately sorted and fair to good porosity. This formation thickness in this well is between 2363 to 3297m MD and generally in Block-8 is variable from well to other. (Mohamed Ishaq,2008).

Blue Nile Formation: This formation is consisting mainly of clay stone interbedded with thin layers of sandstone and siltstone. The clay stone is dark to medium grey, occasionally light grey, with white traces color. It is moderately hard to very hard, minor firm, blocky, minor subblocky, trace silty and sandy, trace micromicaceous and slightly calcareous. (Mohamed Ishaq,2008).

#### **1.2.** Problem statement:

Pore pressure , fraction pressure and well pore stability are significant challenges to exploration drilling particularly in regions featuring weaker rock , or sub salt formations a lack of accurate well pore instability brings many problems such as blow outs , kicks , hole washouts , well pore break out and stuck pipe well pore instability adds to drilling to drill time and increased costs .it is quit challenge at the tawakwl well which is the case of study.

## 1.3. Objectives:

#### The main objective is to:

- A- determine formation pore pressure
- B-determine fraction pressure

#### And the Sub objective:

- A- Estimate mud window
- B- Estimate the proper mud properties to be selected
- C- Estimate the casing seat Position
- D- Estimate the casing length

# **CHAPTER TWO**

## Chapter two

## Literature review

field Jenny Jimenez, Luz Valera Lara, Alexander Rueda and Nestor Fernando Trujillo (2007) discussed the geomechanical wellbore stability modeling of exploratory wells.

Shams Elfalah Ahmed Alblola (2009) studied greater Bamboo area block 2A of unity in southern Sudan, the study starts by collecting data, evaluating and analyzing, logical arrangement of daily information and the other running operations, run a correlation analyzing, designing, targeting and vise versa to get the optimum. The failure envelope stress, mud pressure and mud weight calculation were done to prevent hole collapse in Bamboo west.

Ali, Assel Mohammed, Abdullah Ali, Mariam (2020) Drilling operations and these problems are usually due to design errors in the drilling column in terms of weights and equipment or deficiencies in drilling fluid functions in terms of design and alignment with earth layers. Thus, the quality of the performance of the drilling fluid directly depends on its physical properties, and usually there are natural problems occur during the drilling process and the main cause for this is the interaction of drilling fluid with the components of these formations. Therefore, this reaction may be positive in terms of the formation of a good mud cake to prevent fluid loss and preservation on well walls, or a negative reaction in terms of loss of drilling fluid inside the stratum and thus cause the collapse of the formation . Carboxylmethyle cellulose CMC plays an important part in terms of forming a mud cake with good specifications and minimizing the loss of drilling fluid, thus harming the well walls from collapse and helping to stabilize it. In this research many experiments were conducted inside to find alternative natural materials for CMC with the same quality specifications and lowest costs. Different samples were used of nano-aluminum as well as coal ash were used with prim lose (mixture) and the results were positive and useful.

Słota-Valim, Małgorzata (2017) Pore pressure and wellbore stability sometimes pose a serious challenge while drilling, especially through rock formations of reduced strength or through intervals where abnormally high pore pressure was formed. Lack of prediction of pore pressure and lack of wellbore stability analysis introduce an element of uncertainty in selection of drilling fluid density. Too low density of drilling fluid can lead to uncontrolled flow of the reservoir fluid to the wellbore (kicks), washouts and occurrence of cavern like structures called breakouts. On the other hand too high density can lead to formation fracturing and further fluid loss. Therefore wellbore stability loss frequently prolongs the operating time, rising the costs of the drilling and in severe cases may end up well abandons loss. The above mentioned complications can be avoided or greatly reduced by reliable analysis of drilling conditions with the aspects to geomechanical characteristics of drilled rock formations. This study presents the results of analysis of pore pressure performed with the use of commonly used in oil industry methods. The analysis of pore pressure was carried out in almost entire profile of four boreholes drilled through lower Paleozoic shales, deposited in the southern part of the Baltic Basin. In addition wellbore stability analysis was performed in the well with most complete geomechanical input data base. Obtained results helped identifying intervals with elevated pore pressure could pose a risk during drilling operation. Elaborated 1D geomechanical model provides safe mud weight window helping to reduce the instabilities risk and constitute a great tool for geomechanical model validation.

Ahmad, Hafiz Mudaser (2018) The successful drilling operation of oil and gas wells required high quality of drilling fluids which can stabilize well formations and able to withstand deep wellbore conditions of elevated temperature. Wellbore formations are mainly composed of shale (soft clay) and are likely to destabilize upon interacting with water. The instability of wellbore is caused by the interactions of water with the formation that results in the swelling of shale. Specialized drilling fluids can overcome this issue by stabilizing wellbore formations.

The use of polymer nan composite as water-based drilling fluid additive enhances the rheological properties, filtration characteristics and borehole stability at hightemperature drilling applications.

Widad Mohd Al-Wardy (2010) Drilling through Nahr Umr shales has been a challenge in many fields in North of Oman due to the weak nature of these shales. Increased difficulty is faced during drilling if the knowledge of the geomechanical parameters is limited especially the in situ stress magnitude and direction in the formation drilled. Problems such as borehole collapse and stuck pipes cause major delays in drilling time due to borehole cleaning and sidetracking in this specific field. This time delay and other recovery measures undertaken has cost huge amount of money that can be significantly reduced if the geomechanical parameters such as rock strength and in situ stresses of Nahr Umr are known. This can be then used to obtain the appropriate mud weight to drill a well in any desired direction in order to minimize borehole failure.

In this paper some problems during drilling the Nahr Umr shales will be discussed. Also, the workflow of building a geomechanical model in order to use it in wellbore stability analysis will be described. The output results will summarize the minimum required mud weight and unconfined compressive strength (UCS) for drilling a well in any direction in a form of lower hemisphere plots.

In this project, we are going to predict the safety mud window by estimateing the pore pressure and fracture pressure using Excel.

# **CHAPTER THREE**

#### **Chapter three**

#### Methodology

There are many methods of calculating pore pressure from Resistivity (Rc) data, the Eaton Method and the Ratio Method. The Eaton Method is used in most sedimentary basins for calculating pore pressure from shale point Rc values. The Ratio Method has been used successfully in sande –shell sequences in the Middle East. (H. Rabia, 2002).

#### 3.1 Ratio Method:

The ratio method is much simpler and does not require values of overburden. To calculate pore pressure, use the following formula:

$$PP=Pn\times(Rcn/Rco)$$
(3.1)

Where:-

PP= Pore pressure (ppg) Pn= Normal pore pressure (ppg) Rco= Observed d exponent Rcn= Normal trendline value of d exponent

#### **3.2Eaton Method:**

The Eaton Method is basically simple if we remember the basic pressure relationship  $\sigma ov = Pf + \sigma mat$ . Rearranging the latter equation as matrix stress equal to  $\sigma ov - Pn$ , where Pn is normal formation pressure, shows that the Eaton formula uses

1. Record the value of the normal trendline dc (dcn) and observe dc (dco) at the depth of interest. use only dco values from sande shales. Do not use any other lithology dc value.

2. Record the overburden gradient from the overburden plot at the depth of interest.

3. Use the following formula to calculate pore pressure:

$$PPE = \sigma ov - (\sigma ov - Pn) \times \left(\frac{Rco}{Rcn}\right)^{1.2}$$
(3.2)

Where :

PPE= Eaton's Pore pressure (ppg)

 $\sigma ov = Overburden (ppg)$ 

Pn= Normal pore pressure gradient (ppg)

Rco= Observed value of dc at depth of interest

Rcn= Normal trendline value of dc at depth of interest

#### 3.3 OVERBURDEN PRESSURE: -

The overburden pressure is defined as the pressure exerted by the total weight of overlying formations above the point of interest. The total weight is the combined weight of both the formation solids (rock matrix) and formation fluids in the pore space. The density of the combined weight is referred to as the bulk density ( $\rho$ b). The overburden pressure can therefore be expressed as the hydrostatic pressure exerted by all materials overlying the depth of interest:

Pp=formation bulk density

D=true vertical depth

Fraction pressure:-

FP=PP+(100~150)

FP=fraction pressure

(3.4)

# **CHAPTER FOUR**

## **Chapter four**

#### **Results and discussion**

In this chapter estimating of the pore pressure and fraction pressure. Then Plot the result to estimate the mud window, mud selection, calculate casing set and casing length.

#### 4.1. Data collected:

The following Data obtained from Aldindir field in Blue Nile Basin block (8) tawakkul well (1) Interval gradients are calculated from shallowest to deepest point in the zone. Individual gradients are always calculated to the next deeper point with valid pressure reading (only last pretest to surface). The data that have been collected is as Microsoft excel sheet file which content of log data as show in table(4-1).

### Table (4.1) collected Data

1   DEBTH   RT-HRLT   Pn   dencity   50   978.1032   4.2814   1318.61   10.52   98   1026.109   3.03     2   930.8592   6.0905   1273.75   10.39   51   979.176   4.6423   1318.61   10.52   99   1027.938   3.62     3   931.0116   6.2267   1273.75   10.39   52   980.0844   4.4112   1318.61   10.52   100   1028.09   3.99     4   932.0784   8.9044   1273.75   10.39   53   981.1512   4.4579   1318.61   10.52   101   1029.919   3.50     5   933.1452   4.0922   1273.75   10.39   54   982.0656   4.207   1318.61   10.52   102   1030.072   3.44				4.28 4.64	814 423	13 13	18.61	10	).52	98	1026.109	3.0391	1384.91	10.51
2   930.8592   6.0905   1273.75   10.39   51   979.0176   4.6423   1318.61   10.52   99   1027.938   3.62     3   931.0116   6.2267   1273.75   10.39   52   980.0844   4.4112   1318.61   10.52   100   1028.09   3.99     4   932.0784   8.9044   1273.75   10.39   53   981.1512   4.4579   1318.61   10.52   100   1029.919   3.50     5   933.1452   4.0922   1273.75   10.39   54   982.0656   4.207   1318.61   10.52   102   1030.072   3.44				4.64	423	13	18.61	10	152	00			1004.01	40 54
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17 945.0324 3.7756 1273.75 10.39 66 994.1052 9.0362 1318.61 10.52 114 1042.111 4.74	3			9.03	362	13	18.61	10	).52	114	1042.111	4.7401	1384.91	10.51
18 946.0992 8.7108 1273.75 10.39 67 995.0196 7.3953 1395.91 10.54 115 1043.94 4.5	)			7.39	953	13	95.91	10	).54	115	1043.94	4.561	1384.91	10.51
19 947.0136 6.6551 1273.75 10.39 68 996.0864 10.7317 1380.7 10.53 116 1044.092 4.33	3	1		10.73	317	1	380.7	10	).53	116	1044.092	4.3325	1384.91	10.51
20 948.0804 6.6846 1273.75 10.39 69 997.0008 36.4401 1380.7 10.53 117 1045.921 3.26	1	3		36.44	401	1	380.7	10	).53	117	1045.921	3.2607	1384.91	10.51
21 949.1472 6.0387 1314.44 10.39 70 998.0676 9.2529 1383.5 10.51 118 1046.074 3.32	5			9.25	529	1	383.5	10	).51	118	1046.074	3.3215	1384.91	10.51
22 950.0616 9.0967 1315.75 10.51 71 999.1344 12.4932 1384.91 10.51 119 1047.902 7.28	)	1		12.49	932	13	84.91	10	).51	119	1047.902	7.2884	1384.91	10.51
23 951.1284 27.4557 1317.15 10.51 72 1000.049 7.542 1384.91 10.51 120 1048.055 6.55	,			7.5	542	13	84.91	10	).51	120	1048.055	6.5577	1384.91	10.51
24 952.0428 26.8223 1318.61 10.52 73 1001.116 44.7733 1384.91 10.51 121 1049.884 3.6	ľ	4		44.77	733	13	84.91	10	).51	121	1049.884	3.697	1384.91	10.51
25 953.1096 16.2725 1318.61 10.52 74 1002.03 14.5108 1384.91 10.51 122 1050.036 3.40	(	1		14.51	108	13	84.91	10	).51	122	1050.036	3.4082	1384.91	10.51
26 954.024 13.872 1318.61 10.52 75 1003.097 5.2407 1384.91 10.51 123 1051.712 3.87	1			5.24	407	13	84.91	10	).51	123	1051.712	3.8793	1384.91	10.51
27 955.0908 7.8066 1318.61 10.52 76 1004.011 4.8282 1384.91 10.51 124 1052.932 3.11	2			4.82	282	13	84.91	10	).51	124	1052.932	3.1196	1384.91	10.51
28 956.0052 5.6357 1318.61 10.52 77 1005.078 6.1789 1384.91 10.51 125 1053.084 2.93	7			6.17	789	13	84.91	10	).51	125	1053.084	2.9336	1384.91	10.51
29 957.072 7.0563 1318.61 10.52 78 1006.145 5.5949 1384.91 10.51 126 1054.913 4.39	)			5.59	949	13	84.91	10	).51	126	1054.913	4.3919	1384.91	10.51
30 958.1388 11.2513 1318.61 10.52 79 1007.974 7.3792 1384.91 10.51 127 1055.065 4.40	1			7.37	792	13	84.91	10	).51	127	1055.065	4.4084	1384.91	10.51
31 959.0532 8.012 1318.61 10.52 80 1008.126 6.9009 1384.91 10.51 128 1056.894 6.	)(			6.90	009	13	84.91	10	).51	128	1056.894	6.84	1384.91	10.51
32 960.12 6.0644 1318.61 10.52 81 1009.955 10.2283 1384.91 10.51 129 1057.046 6.52	2	1		10.22	283	13	84.91	10	).51	129	1057.046	6.5261	1384.91	10.51
33 961.0344 6.7705 1318.61 10.52 82 1010.107 9.7037 1384.91 10.51 130 1058.875 7.12	);			9.70	037	13	84.91	10	).51	130	1058.875	7.1217	1384.91	10.51
34 962.1012 4.0585 1318.61 10.52 83 1011.936 11.0328 1384.91 10.51 131 1059.028 7.24	3	1		11.03	328	13	84.91	10	).51	131	1059.028	7.2457	1384.91	10.51
35 963.0156 5.8843 1318.61 10.52 84 1012.088 10.6184 1384.91 10.51 132 1060.856 7.76	l	1		10.61	184	13	84.91	10	).51	132	1060.856	7.7638	1384.91	10.51
36 964.0824 4.9297 1318.61 10.52 85 1013.917 9.904 1384.91 10.51 133 1061.009 11.17	)(			9.9	904	13	84.91	10	).51	133	1061.009	11.1781	1384.91	10.51
37 965.1492 15.4693 1318.61 10.52 86 1014.07 8.8096 1384.91 10.51 134 1062.99 11.75	)			8.80	096	13	84.91	10	).51	134	1062.99	11.7554	1384.91	10.51
38 966.0636 11.8554 1318.61 10.52 87 1015.898 6.0219 1384.91 10.51 135 1063.142 11.63	)			6.02	219	13	84.91	10	).51	135	1063.142	11.6344	1384.91	10.51
39 967.1304 15.3813 1318.61 10.52 88 1016.051 7.6138 1384.91 10.51 136 1064.971 4.77				7.61	138	13	84.91	10	).51	136	1064.971	4.7776	1384.91	10.51
40 968.0448 15.8818 1318.61 10.52 89 1017.88 6.3286 1384.91 10.51 137 1065.124 4.61	2			6.32	286	13	84.91	10	).51	137	1065.124	4.6125	1384.91	10.51
41 969.1116 12.7292 1318.61 10.52 90 1018.032 6.0111 1384.91 10.51 138 1066.952 5.54	1			6.01	111	13	84.91	10	).51	138	1066.952	5.5484	1384.91	10.51
42 970.026 23.7082 1318.61 10.52 91 1019.861 5.6806 1384.91 10.51 139 1067.105 5.83	3(			5.68	806	13	84.91	10	) 51	139	1067.105	5.8311	1384.91	10.51
43 971.0928 6.1266 1318.61 10.52 92 1020.013 6.0759 1384.91 10.51 140 1068.934 4.84	7,			6.07	759	13	84.91	10	).51	140	1068.934	4.8477	1384.91	10.51
44 972.0072 8.6693 1318.61 10.52 93 1021.994 3.0929 1384.91 10.51 141 1069.086 5.30	);			3.09	929	13	84.91	10	).51	141	1069.086	5.3027	1384.91	10.51
45 973.074 11.2843 1318.61 10.52 94 1022.147 2.5827 1384.91 10.51 142 1070.915 11.8	3			2.58	827	13	84.91	10	) 51	142	1070.915	11.873	1384.91	10.51
46 974.1408 6.3693 1318.61 10.52 95 1023.976 4.6916 1384.91 10.51 143 1071.067 12.6	)			4.69	916	13	84.91	10	).51	143	1071.067	12.644	1485.7	10.53
47 975.0552 4.299 1318.61 10.52 96 1024.128 4.4164 1384.91 10.51 144 1072.896 20.09	l			4.41	164	13	84.91	10	).51	144	1072.896	20.0951	1487.86	10.51
48 976.122 5.3967 1318.61 10.52 97 1025.957 2.9755 1384.91 10.51 145 1073.048 23.49				2.97	755	13	84.91	10	).51	145	1073.048	23.4904	1487.86	10.51
49 977.0364 7.0535 1318.61 10.52 98 1026.109 3.0391 1384.91 10.51 146 1074.725 27.06	,			3.03	391	13	84.91	10	).51	146	1074.725	27.0605	1490.46	10.51

	Α	В	С	D		Α	В	С	D		Α	В	С	D
146	1074.725	27.0605	1490.46	10.51	194	1122.121	5.8401	1433.45	10.49	242	1170.127	4.0215	1433.45	10.49
147	1075.944	28.1484	1490.46	10.51	195	<b>1123.9</b> 5	5.8648	1433.45	10.49	243	1171.346	4.9981	1433.45	10.49
148	1076.096	40.3868	1493.15	10.5	196	1124.102	4.9771	1433.45	10.49	244	1172.87	6.9984	1433.45	10.49
149	1077.925	9.6064	1493.15	10.5	197	1125.779	5.478	1433.45	10.49	245	1173.023	8.3793	1433.45	10.49
150	1078.078	15.88	1495.8	10.49	198	1126.998	4.5926	1433.45	10.49	246	1174.852	32.6645	1433.45	10.49
151	1079.906	47.2751	1495.8	10.49	199	1127.15	4.923	1433.45	10.49	247	1175.004	30.4499	1433.45	10.49
152	1080.059	44.8495	1498.4	10.5	200	1128.522	7.194	1433.45	10.49	248	1176.985	5.5317	1433.45	10.49
153	1081.888	19.933	1498.4	10.5	201	1130.96	9.3125	1433.45	10.49	249	1177.138	4.8762	1433.45	10.49
154	1082.04	17.4131	1501.13	10.5	202	1131.113	8.4096	1433.45	10.49	250	1178.966	4.6759	1433.45	10.49
155	1083.869	30.2945	1501.13	10.5	203	1132.942	10.1625	1433.45	10.49	251	1179.119	4.662	1433.45	10.49
156	1084.021	33.4653	1501.13	10.5	204	1133.094	9.881	1433.45	10.49	252	1180.948	8.8157	1433.45	10.49
157	1085.85	20.4283	1501.13	10.5	205	1134.923	6.0587	1433.45	10.49	253	1181.1	7.3417	1433.45	10.49
158	1086.002	19.2869	1501.13	10.5	206	1135.075	6.0354	1433.45	10.49	254	1182.776	3.1754	1433.45	10.49
159	1087.984	26.0127	1512.26	10.5	207	1136.904	4.1008	1433.45	10.49	255	1183.996	4.2288	1433.45	10.49
160	1088.136	27.2574	1513.29	10.5	208	1137.056	3.939	1433.45	10.49	256	1184.148	4.4923	1433.45	10.49
161	1089.965	11.5773	1514.84	10.5	209	1138.885	7.6803	1433.45	10.49	257	1185.977	4.5322	1433.45	10.49
162	1090.27	10.8367	1514.84	10.5	210	1139.038	9.3071	1433.45	10.49	258	1186.129	4.6994	1433.45	10.49
163	1091.946	16.702	1514.84	10.5	211	1140.714	5.7987	1433.45	10.49	259	1187.958	5.2223	1433.45	10.49
164	1092.098	22.9127	1514.84	10.5	212	<b>1141.933</b>	<b>6.14</b> 9	1433.45	10.49	260	1188.11	5.1361	1433.45	10.49
165	1093.927	9.3544	1514.84	10.5	213	<b>1142.0</b> 86	6.2986	1433.45	10.49	261	1189.939	4.952	1433.45	10.49
166	1094.08	17.8628	1514.84	10.5	214	1143.914	7.5843	1433.45	10.49	262	1190.092	5.1835	1433.45	10.49
167	1095.908	3.913	1514.84	10.5	215	1144.067	7.8987	1433.45	10.49	263	1191.92	7.3178	1433.45	10.49
168	1096.061	3.3128	1514.84	10.5	216	1145.896	5.7775	1433.45	10.49	264	1192.073	7.5683	1433.45	10.49
169	1097.89	11.5038	1514.84	10.5	217	1146.048	5.3393	1433.45	10.49	265	1193.749	11.5614	1433.45	10.49
170	1098.042	10.5056	1514.84	10.5	218	1147.877	5.2308	1433.45	10.49	266	1196.035	4.2436	1433.45	10.49
171	1099.871	9.6732	1514.84	10.5	219	<b>1148.02</b> 9	4.7275	1433.45	10.49	267	1197.407	9.7684	1433.45	10.49
172	1100.023	8.8158	1514.84	10.5	220	1149.858	4.1267	1433.45	10.49	268	1198.931	9.9509	1433.45	10.49
173	1101.852	6.7267	1528.19	10.5	221	1150.01	3.8933	1433.45	10.49	269	1199.083	10.4106	1433.45	10.49
174	1102.004	6.7431	1530.24	10.5	222	1151.687	4.9987	1433.45	10.49	270	1200.912	11.6559	1433.45	10.49
175	1103.986	5.2333	1530.24	10.5	223	1152.906	5.0147	1433.45	10.49	271	1201.064	3.9752	1433.45	10.49
176	1104.138	5.2143	1532.2	10.49	224	1153.058	4.8729	1433.45	10.49	272	1202.893	4.3624	1433.45	10.49
177	1105.967	8.8013	1433.45	10.49	225	1154.278	9.8297	1433.45	10.49	273	1203.046	4.5646	1433.45	10.49
178	1106.119	9.4787	1433.45	10.49	226	1155.649	5.683	1433.45	10.49	274	1203.198	4.6813	1433.45	10.49
179	1107.948	18.4984	1433.45	10.49	227	1156.868	4.1869	1433.45	10.49	275	1204.874	6.3124	1433.45	10.49
180	1108.1	23.6474	1433.45	10.49	228	1157. <mark>0</mark> 21	3.8608	1433.45	10.49	276	1205.027	5.7683	1433.45	10.49
181	<b>1109.929</b>	45.3425	1433.45	10.49	229	1158.85	4.89	1433.45	10.49	277	1206.398	4.4692	1433.45	10.49
182	1110.082	44.5108	1433.45	10.49	230	1159.002	4.8237	1433.45	10.49	278	1207.618	10.9168	1433.45	10.49
183	1111.91	5.0071	1433.45	10.49	231	1160.983	6.2955	1433.45	10.49	279	1208.989	7.4293	1433.45	10.49
184	1112.063	4.2981	1433.45	10.49	232	1161.136	6.1726	1433.45	10.49	280	1209.142	7.5705	1433.45	10.49
185	1113.892	7.058	1433.45	10.49	233	1162.964	6.3805	1433.45	10.49	281	1210.818	9.6852	1433.45	10.49
186	1114.044	6.6321	1433.45	10.49	234	1163.117	6.0655	1433.45	10.49	282	1211.885	9.1717	1433.45	10.49
187	1115.873	4.9959	1433.45	10.49	235	1164.946	6.5983	1433.45	10.49	283	1212.037	10.8606	1433.45	10.49
188	1116.025	4.8295	1433.45	10.49	236	1165.098	6.435	1433.45	10.49	284	1213.866	12.8265	1433.45	10.49
189	1117.854	4.4415	1433.45	10.49	237	1166.774	4.5951	1433.45	10.49	285	1214.018	13.2453	1433.45	10.49
190	1118.006	4.1834	1433.45	10.49	238	1166.927	4.2383	1433.45	10.49	286	1215.695	3.1043	1433.45	10.49
191	1119.988	4.3427	1433.45	10.49	239	1167.079	4.0515	1433.45	10.49	287	1216.914	6.8803	1433.45	10.49
192	1120.14	4.3114	1433.45	10.49	240	1168.756	5.4057	1433.45	10.49	288	1217.066	6.7004	1433.45	10.49
193	1121.969	5.5978	1433.45	10.49	241	1169.975	4.0435	1433.45	10.49	289	1218.438	7.4429	1433.45	10.49
194	1122.121	5.8401	1433.45	10.49	242	1170.127	4.0215	1433.45	10.49	290	1219.962	6.924	1433.45	10.49

	Α	В	С	D		Α	В	С	D		Α	В	С	D
290	1219.962	6.924	1433.45	10.49	338	1269.949	9.1776	1711.74	10.49	386	1317.803	13.7384	1711.74	10.49
291	1220.114	6.5197	1433.45	10.49	339	1270.102	7.6559	1711.74	10.49	387	1318.87	3.6956	1711.74	10.49
292	1221.943	4.8124	1433.45	10.49	340	1271.93	10.1957	1711.74	10.49	388	1319.022	3.3799	1711.74	10.49
293	1222.096	4.9425	1433.45	10.49	341	1272.083	9.0009	1711.74	10.49	389	1320.394	23.9421	1711.74	10.49
294	1223.924	9.0117	1433.45	10.49	342	1273.759	5.861	1711.74	10.49	390	1321.918	9.3027	1711.74	10.49
295	1224.077	7.5742	1433.45	10.49	343	1274.978	4.4803	1711.74	10.49	391	1322.07	9.5746	1711.74	10.49
296	1225.906	6.1949	1433.45	10.49	344	1275.131	4.689	1711.74	10.49	392	1323.899	7.228	1711.74	10.49
297	1226.058	6.1945	1705.1	10.51	345	1276.96	5.1063	1711.74	10.49	393	1324.051	7.5542	1711.74	10.49
298	1227.887	7.9799	1705.1	10.51	346	1277.112	5. <b>3</b> 974	1711.74	10.49	394	1325.728	8.5735	1711.74	10.49
299	1228.039	8.1851	1706.92	10.49	347	1278.941	4.1291	1711.74	10.49	395	1326.947	9.6185	1711.74	10.49
300	1229.716	10.0966	1709.33	10.49	348	1279.093	4.3437	1711.74	10.49	396	1327.099	9.7472	1711.74	10.49
301	1230.935	6.3496	1710.53	10.49	349	1280.77	6.3625	1711.74	10.49	397	1328.928	10.7703	1711.74	10.49
302	1231.087	6.4731	1711.74	10.49	350	1281.989	9.1047	1711.74	10.49	398	1329.08	12.7442	1711.74	10.49
303	1232.306	11.0978	1711.74	10.49	351	1282.141	9.2702	1711.74	10.49	399	1330.909	4.3792	1711.74	10.49
304	1233.983	11.0823	1711.74	10.49	352	1283.97	14.9756	1711.74	10.49	400	1331.062	4.581	1711.74	10.49
305	1234.135	11.618	1711.74	10.49	353	1284.122	17.3939	1711.74	10.49	401	1332.586	3.7484	1711.74	10.49
306	1235.964	14.4406	1711.74	10.49	354	1285.951	8.0642	1711.74	10.49	402	1333.957	5.8062	1711.74	10.49
307	1236.116	7.8143	1711.74	10.49	355	1286.104	7.1343	1711.74	10.49	403	1334.11	6.3158	1711.74	10.49
308	1237.945	6.9117	1711.74	10.49	356	1287.932	8.8282	1711.74	10.49	404	1335,938	4,2326	1711.74	10.49
309	1238.098	6.3602	1711.74	10.49	357	1288.085	8.8171	1711.74	10.49	405	1336.091	4,8012	1711.74	10.49
310	1239.926	5.4885	1711.74	10.49	358	1289.914	7.1285	1711.74	10.49	406	1337 92	6 3687	1711 74	10.49
311	1240.079	6.6389	1711.74	10.49	359	1290.066	6.6199	1711.74	10.49	400	1338 072	6 7847	1711.74	10.49
312	1241,908	8,8041	1711.74	10.49	360	1291.895	4.9216	1711.74	10.49	407	1339 901	7 3861	1711.74	10.49
313	1242.06	9 1612	1711 74	10.49	361	1292.047	4.9486	1711.74	10.49	400	1335.501	7 3501	1711.74	10.45
314	1243 736	12 3291	1711 74	10.49	362	1293.724	8.5304	1711.74	10.49	405	12/1 882	5 7067	1711.74	10.45
315	1243.750	11 7199	1711 74	10.49	363	1294.943	5.4685	1711.74	10.49	410	1242.002	5 2625	1711.74	10.45
316	1246 937	11 4305	1711 74	10.49	364	1295.095	5.0752	1711.74	10.49	411	1242.034	5 5102	1711.74	10.45
217	1240.337	12 51/15	1711.74	10.45	365	1296.924	5.0549	1711.74	10.49	412	1343.711	5.0740	1711.74	10.49
219	1247.005	15.704	1711.74	10.45	366	1297.076	5.7359	1711.74	10.49	415	1245.092	5 0241	1711.74	10.49
210	1240.310	16 2622	1711.74	10.45	367	1298,905	10.2441	1711.74	10.49	414	1345.082	3.9341	1711.74	10.49
220	1245.07	12 9962	1711.74	10.45	368	1299.058	11 0351	1711 74	10.49	415	1340.911	4.3910	1711.74	10.49
320	1251.052	12.0303	1711.74	10.45	369	1300 886	7 3986	1711 74	10.49	410	1347.004	6.7003	1/11./4	10.49
321	1251.052	24.4370	1711.74	10.45	370	1301.039	7 924	1711 74	10.49	417	1348.892	0.3091	1/11./4	10.49
322	1252.88	20.8309	1711.74	10.49	370	1302.868	6 9809	1711 74	10.49	418	1349.045	0.5782	1/11./4	10.49
323	1253.033	24.8554	1711.74	10.49	372	1302.000	6 5666	1711 74	10.49	419	1350.569	6.0178	1/11./4	10.49
324	1254.802	10.9026	1711.74	10.49	372	1304 849	8 6222	1711 74	10.49	420	1351.94	6.564	1/11./4	10.49
325	1255.014	10.8020	1711.74	10.49	374	1305.001	6 6513	1711 74	10.49	421	1352.093	6.0412	1/11./4	10.49
320	1250.995	7.9078	1/11./4	10.49	275	1206 525	4 5025	1711.74	10.45	422	1353.922	3.4703	1/11./4	10.49
327	1257.148	14.4513	1/11./4	10.49	375	1207 897	9 275	1711.74	10.45	423	1354.074	3.2597	1/11./4	10.49
328	1258.824	7.4081	1/11./4	10.49	370	1209 040	11 0246	1711.74	10.45	424	1355.903	4.1333	1/11./4	10.49
329	1259.891	5.4679	1/11./4	10.49	377	1200.045	19,0002	1711.74	10.45	425	1356.055	4.0931	1711.74	10.49
330	1260.043	4.5515	1/11./4	10.49	370	1210.02	16.0005	1711.74	10.45	426	1357.884	4.5868	1711.74	10.49
331	1261.262	5.6705	1/11./4	10.49	379	1211 850	14 5222	1711.74	10.49	427	1358.036	4.8932	1711.74	10.49
332	1262.939	4.3603	1/11./4	10.49	380	1311.859	14.5235	1711.74	10.49	428	1359.865	7.5978	1711.74	10.49
333	1263.091	4.9458	1/11.74	10.49	381	1312.012	14 6050	1711.74	10.49	429	1360.018	7.4191	1711.74	10.49
334	1264.92	10.8776	1711.74	10.49	382	1313.993	14.0053	1711.74	10.49	430	1361.542	5.7246	1711.74	10.49
335	1265.072	11.9778	1711.74	10.49	383	1314.145	14.1379	1/11./4	10.49	431	1362.913	9.6483	1711.74	10.49
336	1267.968	7.9952	1711.74	10.49	384	1315.974	13.2229	1/11./4	10.49	432	1363.066	8.8231	1711.74	10.49
337	1268.12	8.8617	1711.74	10.49	385	1316.126	9.6594	1/11.74	10.49	433	1364.894	9.7469	1711.74	10.49
338	1269.949	9.1776	1711.74	10.49	386	1317.803	13.7384	1/11.74	10.49	434	1365.047	10.9487	1711.74	10.49

	Α	В	с	D		Α	в	с	D		Α	В	С	D
434	1365.047	10.9487	1711.74	10.49	482	1413.053	3.6286	1711.74	10.49	530	1461.973	6.0388	1711.74	10.49
435	1366.876	4.9455	1711.74	10.49	483	1414.882	3.6089	1711.74	10.49	531	1462.126	5.4243	1711.74	10.49
436	1367.028	4.9424	1711.74	10.49	484	1415.034	3.5287	1711.74	10.49	532	1463.954	9.3595	1711.74	10.49
437	1368.857	5.1751	1711.74	10.49	485	1416.863	5.1569	1711.74	10.49	533	1464.107	8.2417	1711.74	10.49
438	1369.009	5.2172	1711.74	10.49	486	1417.015	5.4708	1711.74	10.49	534	1465.936	4.6693	1711.74	10.49
439	1370.686	4.7903	1711.74	10.49	487	1418.996	5.9364	1711.74	10.49	535	1466.088	4.5465	1711.74	10.49
440	1371.905	11.6379	1711.74	10.49	488	1419.149	6.2102	1711.74	10.49	536	1467.917	4.5926	1711.74	10.49
441	1372.057	10.8945	1711.74	10.49	489	1420.978	8.2366	1711.74	10.49	537	1468.069	4.4621	2046.92	123.02
442	1373.276	7.1156	1711.74	10.49	490	1421.13	10.8099	1711.74	10.49	538	1469.898	8.6188	2047.36	122.04
443	1374.953	9.2432	1711.74	10.49	491	1422.959	9.806	1711.74	10.49	539	1470.05	8.9149	2049.58	120.23
444	1375.105	8.631	1711.74	10.49	492	1423.111	6.7748	1711.74	10.49	540	1471.879	5.2793	2050.59	119.34
445	1376.934	11.4393	1711.74	10.49	493	1424.94	8.8327	1711.74	10.49	541	1472.032	5.101	2050.59	119.34
446	1377.086	11.5141	1711.74	10.49	494	1425.092	8.7355	1711.74	10.49	542	1473.86	10.3327	2050.59	119.34
447	1378.61	9.6488	1711.74	10.49	495	1426.921	5.0725	1711.74	10.49	543	1474.013	7.5954	2050.59	119.34
448	1379.982	4.2286	1711.74	10.49	496	1427.074	4.2582	1711.74	10.49	544	1475.994	10.3472	2050.59	119.34
449	1380.134	4.2455	1711.74	10.49	497	1428.902	10.1968	1711.74	10.49	545	1476.146	9.5116	2050.59	119.34
450	1381.963	5.7204	1711.74	10.49	498	1429.055	12.2805	1711.74	10.49	546	1477.975	7.1301	2050.59	119.34
451	1382.116	6.5423	1711.74	10.49	499	1430.884	7.9288	1711.74	10.49	547	1478.128	6.8844	2050.59	119.34
452	1383.792	6.3415	1711.74	10.49	500	1431.036	7.9724	1711.74	10.49	548	1479.956	10.6337	2050.59	119.34
453	1384.859	9.8127	1711.74	10.49	501	1432.865	6.9103	1711.74	10.49	549	1480.109	12.2325	2063.42	119.19
454	1385.011	10.2326	1711.74	10.49	502	1433.017	6.7742	1711.74	10.49	550	1481.938	11.1524	2063.42	119.19
455	1386.992	3.7597	1711.74	10.49	503	1434.998	4.767	1711.74	10.49	551	1482.09	9.1001	2065.41	118.32
456	1387.145	3.7826	1711.74	10.49	504	1435.151	4.8473	1711.74	10.49	552	1483.919	16.4111	2067.48	117.53
457	1388.974	8.8662	1711.74	10.49	505	1436.98	16.2584	1711.74	10.49	553	1484.071	15.4391	2069.07	115.85
458	1389.126	8.9926	1711.74	10.49	506	1437.132	17.4913	1711.74	10.49	554	1485.9	8.1914	2069.07	115.85
459	1390.65	9.0118	1711.74	10.49	507	1438.961	15.0802	1711.74	10.49	555	1486.052	7.4436	2071.26	115.09
460	1391.869	7.4821	1711.74	10.49	508	1439.113	15.839	1711.74	10.49	556	1487.881	10.4343	2071.26	115.09
461	1392.022	7.0454	1711.74	10.49	509	1440.942	10.7671	1711.74	10.49	557	1488.034	11.0754	2071.26	115.09
462	1393.85	7.3253	1711.74	10.49	510	1441.094	8.9919	1711.74	10.49	558	1489.862	6.2747	2071.26	115.09
463	1394.003	6.3839	1711.74	10.49	511	1442.923	9.7886	1711.74	10.49	559	1490.015	5.5842	2071.26	115.09
464	1395.527	3.8437	1711.74	10.49	512	1443.076	11.6084	1711.74	10.49	560	1491.996	6.1945	2071.26	115.09
465	1396.898	4.4984	1711.74	10.49	513	1444.904	26.3865	1711.74	10.49	561	1492.148	6.5562	2071.26	115.09
466	1397.051	4.9845	1711.74	10.49	514	1445.057	24.5975	1711.74	10.49	562	1493.977	4.4169	2071.26	115.09
467	1398.88	7.6061	1711.74	10.49	515	1446.886	13.2035	1711.74	10.49	563	1494.13	4.545	2071.26	115.09
468	1399.032	8.0513	1711.74	10.49	516	1447.038	12.1062	1711.74	10.49	564	1495.958	16.1054	2071.26	115.09
469	1400.861	3.75	1711.74	10.49	517	1448.867	17.0912	1711.74	10.49	565	1496.111	17.2392	2071.26	115.09
470	1401.013	4.5367	1711.74	10.49	518	1449.019	17.3329	1711.74	10.49	566	1497.94	7.7461	2071.26	115.09
471	1402.994	7.6595	1711.74	10.49	519	1450.848	6.8662	1711.74	10.49	567	1498.092	7.394	2071.26	115.09
472	1403.147	7.173	1711.74	10.49	520	1451	6.1567	1711.74	10.49	568	1499.921	7.0487	2071.26	115.09
473	1404.976	3.2417	1711.74	10.49	521	1452.829	9.8454	1711.74	10.49	569	1500.073	6.9869	2071.26	115.09
474	1405.128	3.6031	1711.74	10.49	522	1453.896	29.1878	1711.74	10.49	570	1501.902	4.5308	2071.26	115.09
475	1406.957	10.6203	1711.74	10.49	523	1454.048	24.1175	1711.74	10.49	571	1502.054	4.4811	2071.26	115.09
476	1407.109	10.7911	1711.74	10.49	524	1455.877	8.5371	1711.74	10.49	572	1503.883	9.9179	2071.26	115.09
477	1408.938	17.3394	1711.74	10.49	525	1456.03	8.1582	1711.74	10.49	573	1504.036	9.7985	2071.26	115.09
478	1409.09	14.5847	1711.74	10.49	526	1457.858	10.6005	1711.74	10.49	574	1505.864	12.5705	2071.26	115.09
479	1410.919	4.2497	1711.74	10.49	527	1458.011	10.3481	1711.74	10.49	575	1506.017	8.4005	2071.26	115.09
480	1411.072	3.9475	1711.74	10.49	528	1459.992	5.173	1711.74	10.49	576	1507.998	11.811	2071.26	115.09
481	1412.9	3.6302	1711.74	10.49	529	1460.144	6.1969	1711.74	10.49	577	1508.15	12.4813	2071.26	115.09
482	1413.053	3.6286	1711.74	10.49	530	1461.973	6.0388	1711.74	10.49	578	1509.979	9.8012	2071.26	115.09

	Α	В	С	D		Α	В	С	D		Α	В	С	D
578	1509.979	9.8012	2071.26	115.09	626	1557.985	6.7781	2071.26	115.09	674	1605.991	6.8884	2071.26	115.09
579	1510.132	10.1934	2071.26	115.09	627	1558.138	6.6716	2071.26	115.09	675	1606.144	6.8723	2071.26	115.09
580	1511.96	10.8808	2071.26	115.09	628	1559.966	8.8823	2071.26	115.09	676	1607.972	16.3756	2071.26	115.09
581	1512.113	11.4558	2071.26	115.09	629	1560.119	8.6106	2071.26	115.09	677	1608.125	23.0798	2071.26	115.09
582	1513.942	14.6846	2071.26	115.09	630	1561.948	6.2637	2071.26	115.09	678	1609.954	9.6935	2071.26	115.09
583	1514.094	19.1875	2071.26	115.09	631	1562.1	5.9179	2071.26	115.09	679	1610.106	9.9764	2071.26	115.09
584	1515.923	17.8524	2071.26	115.09	632	1563.929	15.3603	2071.26	115.09	680	1611.935	10.2343	2071.26	115.09
585	1516.075	12.2057	2071.26	115.09	633	1564.081	16.2931	2071.26	115.09	681	1612.087	8.6541	2071.26	115.09
586	1517.904	8.7337	2071.26	115.09	634	1565.91	10.3603	2071.26	115.09	682	1613.916	13.9562	2071.26	115.09
587	1518.056	9.1504	2071.26	115.09	635	1566.062	11.3694	2071.26	115.09	683	1614.068	11.6414	2071.26	115.09
588	1519.885	9.1079	2071.26	115.09	636	1567.891	19.7847	2071.26	115.09	684	1615.897	14.9234	2071.26	115.09
589	1520.038	9.3599	2071.26	115.09	637	1568.044	20.0797	2071.26	115.09	685	1616.05	15.0148	2071.26	115.09
590	1521.866	5.4855	2071.26	115.09	638	1569.872	13.0349	2071.26	115.09	686	1617.878	4.7865	2071.26	115.09
<b>591</b>	1522.019	5.6724	2071.26	115.09	639	1570.025	11.7607	2071.26	115.09	687	1618.031	4.7272	2071.26	115.09
592	1523.848	5.7681	2071.26	115.09	640	1571.854	13.719	2071.26	115.09	688	1619.86	10.2746	2071.26	115.09
593	1524	5.7451	2071.26	115.09	641	1572.006	13.027	2071.26	115.09	689	1620.012	9.1996	2071.26	115.09
594	1525.981	7.9049	2071.26	115.09	642	1573.987	9.4296	2071.26	115.09	690	1621.993	3.8813	2071.26	115.09
595	1526.134	7.6079	2071.26	115.09	643	1574.14	8.2885	2071.26	115.09	691	1622.146	4.4985	2071.26	115.09
596	1527.962	6.2517	2071.26	115.09	644	1575.968	6.9578	2071.26	115.09	692	1623.974	4.932	2071.26	115.09
597	1528.115	6.6235	2071.26	115.09	645	1576.121	6.9379	2071.26	115.09	693	1624.127	5.1831	2071.26	115.09
598	1529.944	9.2889	2071.26	115.09	646	1577.95	11.5062	2071.26	115.09	694	1625.956	5.5222	2071.26	115.09
599	1530.096	10.9539	2071.26	115.09	647	1578.102	7.8373	2071.26	115.09	695	1626.108	5.6034	2071.26	115.09
600	1531.925	15.5032	2071.26	115.09	648	1579.931	8.6145	2071.26	115.09	696	1627.937	5.2689	2071.26	115.09
601	1532.077	<b>11.04</b> 58	2071.26	115.09	649	1580.083	8.7307	2071.26	115.09	697	1628.089	5.0388	2071.26	115.09
602	1533.906	7.5033	2071.26	115.09	650	1581.912	12.6276	2071.26	115.09	698	1629.918	21.2539	2071.26	115.09
603	1534.058	7.2902	2071.26	115.09	651	1582.064	8.3901	2071.26	115.09	699	1630.07	20.2764	2071.26	115.09
604	1535.887	11.3327	2071.26	115.09	652	1583.893	15.9785	2071.26	115.09	700	1631.899	4.9244	2071.26	115.09
605	1536.04	21.3411	2071.26	115.09	653	1584.046	17.5351	2071.26	115.09	701	1632.052	4.9256	2071.26	115.09
606	1537.868	11.6543	2071.26	115.09	654	1585.874	13.1232	2071.26	115.09	702	1633.88	4.8606	2071.26	115.09
607	1538.021	12.5812	2071.26	115.09	655	1586.027	15.963	2071.26	115.09	703	1634.033	4.9361	2071.26	115.09
608	1539.85	11.3973	2071.26	115.09	656	1587.856	14.2327	2071.26	115.09	704	1635.862	5.4562	2071.26	115.09
609	1540.002	10.8878	2071.26	115.09	657	1588.008	13.7782	2071.26	115.09	705	1636.014	5.6782	2071.26	115.09
610	1541.983	13.7355	2071.26	115.09	658	1589.989	11.5305	2071.26	115.09	706	1637.995	8.903	2285.81	10.5
611	1542.136	12.9326	2071.26	115.09	659	1590.142	12.1945	2071.26	115.09	707	1638.148	10.7616	2287.89	10.49
612	1543.964	10.9939	2071.26	115.09	660	1591.97	14.3486	2071.26	115.09	708	1639.976	6.6811	2288.97	10.49
613	1544.117	10.2565	2071.26	115.09	661	1592.123	15.7246	2071.26	115.09	709	1640.129	6.3346	2288.97	10.49
614	1545.946	16.2774	2071.26	115.09	662	1593.952	8.1689	2071.26	115.09	710	1641.958	11.7003	2288.97	10.49
615	1546.098	10.6905	2071.26	115.09	663	1594.104	10.7266	2071.26	115.09	711	1642.11	12.0248	2288.97	10.49
616	1547.927	11.377	2071.26	115.09	664	1595.933	7.6043	2071.26	115.09	712	1643.939	17.0032	2288.97	10.49
617	1548.079	10.9084	2071.26	115.09	665	1596.085	7.8243	2071.26	115.09	713	1644.091	14.6098	2288.97	10.49
618	1549.908	15.011	2071.26	115.09	666	1597.914	22.9226	2071.26	115.09	714	1645.92	4.9523	2288.97	10.49
619	1550.06	14.9537	2071.26	115.09	667	1598.066	24.4331	2071.26	115.09	715	1646.072	5.2674	2288.97	10.49
620	1551.889	12.5812	2071.26	115.09	668	1599.895	10.5753	2071.26	115.09	716	1647.901	25.0459	2288.97	10.49
621	1552.042	15.3935	2071.26	115.09	669	1600.048	9.4578	2071.26	115.09	717	1648.054	25.4452	2288.97	10.49
622	1553.87	10.4518	2071.26	115.09	670	1601.876	12.8556	2071.26	115.09	718	1649.882	15.7694	2303.04	10.49
623	1554.023	9.2275	2071.26	115.09	671	1602.029	14.5109	2071.26	115.09	719	1650.035	14.1741	2305.14	10.49
624	1555.852	21.1354	2071.26	115.09	672	1603.858	6.5009	2071.26	115.09	720	1651.864	4.0138	2305.14	10.49
625	1556.004	23.8445	2071.26	115.09	673	1604.01	5.8005	2071.26	115.09	721	1652.016	5.0208	2307.48	10.49
626	1557.985	6.7781	2071.26	115.09	674	1605.991	6.8884	2071.26	115.09	722	1653.997	12.3158	2308.63	10.49

#### 4.2. Pore pressure and fracture pressure estimation:

Case study calculation use Microsoft excel and stranded by Calculate resistivity trends and To obtain resistivity trend plot Depth VS True resistivity, see figure (41)



Figure (4-1) Depth VS RT-HRLT

Then by using equation (3-1) and the results tabulated in table (4-2) and (4-3)

# Table(4.2)Resistivity trend, formation pore pressure ratio and fracture pressure

	Α	В	с		٨	в	C		Α	в	с		Α	В	С
1	RT	PPR	FPR	58	4 5121	1318.61	1468.61	115	4.561	1384.91	1534.91	172	8.8158	1514.84	1664.84
2	6 0905	1273 75	1423 75	50	6 3606	1318.61	1468.61	116	4 3325	1384 91	1534 91	173	6.7267	1528.19	1678.19
3	6 2 2 6 7	1273 75	1423 75	60	0.3030 E E661	1919 61	1400.01	117	3 2607	1384.91	1534.91	174	6.7431	1530.24	1680.24
4	8 9044	1273 75	1423 75	61	6 7767	1210.01	1408.01	118	3 3215	1384.91	1534.91	175	5.2333	1530.24	1680.24
5	4 0022	1273 75	1423.75	67	7.2202	1210.01	1400.01	110	7 2884	1384.01	1534.01	176	5.2143	1532.2	1682.2
6	4.0522	1272.75	1423.75	62	7.2202	1010.01	1400.01	120	6 5577	1204.01	1524.01	177	8.8013	1433.45	1583.45
7	4.7009	1273.75	1423.75	03	6.2438	1318.61	1468.61	120	0.007	1004.91	1534.91	178	9.4787	1433.45	1583.45
-	5./81	12/3./5	1423.75	64	9.8491	1318.61	1468.61	121	3.697	1384.91	1534.91	179	18 4984	1433 45	1583.45
8	6.816	12/3./5	1423.75	65	7.1555	1318.61	1468.61	122	3.4082	1384.91	1534.91	180	23 6474	1433 45	1583.45
9	5.3348	12/3./5	1423.75	66	9.0362	1318.61	1468.61	123	3.8793	1384.91	1534.91	181	45 3425	1433 45	1583.45
10	5.4166	1273.75	1423.75	67	7.3953	1395.91	1545.91	124	3.1196	1384.91	1534.91	182	44 5108	1/33/15	1583.45
11	5.7616	1273.75	1423.75	68	10.7317	1380.7	1530.7	125	2.9336	1384.91	1534.91	183	5 0071	1433.45	1583.45
12	4.4051	1273.75	1423.75	69	36.4401	1380.7	1530.7	126	4.3919	1384.91	1534.91	103	4 2091	1492.45	1502.45
13	5.3635	1273.75	1423.75	70	9.2529	1383.5	1533.5	127	4.4084	1384.91	1534.91	104	7.059	1433.45	1503.45
14	5.2693	1273.75	1423.75	71	12.4932	1384.91	1534.91	128	6.84	1384.91	1534.91	105	7.000	1433.45	1565.45
15	5.0306	1273.75	1423.75	72	7.542	1384.91	1534.91	129	6.5261	1384.91	1534.91	107	0.0321	1433.45	1583.45
16	5.2165	1273.75	1423.75	73	44.7733	1384.91	1534.91	130	7.1217	1384.91	1534.91	187	4.9959	1433.45	1583.45
17	3.7756	1273.75	1423.75	74	14.5108	1384.91	1534.91	131	7.2457	1384.91	1534.91	188	4.8295	1433.45	1583.45
18	8.7108	1273.75	1423.75	75	5.2407	1384.91	1534.91	132	7.7638	1384.91	1534.91	189	4.4415	1433.45	1583.45
19	6.6551	1273.75	1423.75	76	4.8282	1384.91	1534.91	133	11.1781	1384.91	1534.91	190	4.1834	1433.45	1583.45
20	6.6846	1273.75	1423.75	77	6.1789	1384.91	1534.91	134	11.7554	1384.91	1534.91	191	4.3427	1433.45	1583.45
21	6.0387	1314.44	1464.44	78	5.5949	1384.91	1534.91	135	11.6344	1384.91	1534.91	192	4.3114	1433.45	1583.45
22	9.0967	1315.75	1465.75	79	7.3792	1384.91	1534.91	136	4.7776	1384.91	1534.91	193	5.5978	1433.45	1583.45
23	27.4557	1317.15	1467.15	80	6.9009	1384.91	1534.91	137	4.6125	1384.91	1534.91	194	5.8401	1433.45	1583.45
24	26.8223	1318.61	1468.61	81	10 2283	1384 91	1534.91	138	5 5484	1384 91	1534 91	195	5.8648	1433.45	1583.45
25	16 2725	1318.61	1468.61	82	9 7037	1384.91	1534.91	139	5.8311	1384.91	1534.91	196	4.9771	1433.45	1583.45
26	13 872	1318.61	1468.61	02	11 0328	1384.01	1534.01	140	4 8477	1384.01	1534.01	197	5.478	1433.45	1583.45
27	7 8066	1318.61	1468.61	0.0	10 6194	1204.01	1524.01	141	E 2027	1204.01	1524.01	198	4,5926	1433.45	1583.45
20	7.0000 E.62E7	1210.01	1408.01	04	10.0164	1004.91	1534.91	141	5.5027	1204.91	1534.91	199	4 923	1433.45	1583.45
20	3.0557	1310.01	1408.01	60	9.904	1384.91	1534.91	142	11.8/3	1584.91	1534.91	200	7 194	1433.45	1583.45
29	7.0503	1318.01	1408.01	80	8.8096	1384.91	1534.91	143	12.644	1485.7	1635.7	201	0 3125	1433.45	1583.45
30	11.2513	1318.61	1468.61	8/	6.0219	1384.91	1534.91	144	20.0951	1487.86	1637.86	201	9.006	1433.45	1503.45
31	8.012	1318.61	1468.61	88	7.6138	1384.91	1534.91	145	23.4904	1487.86	1637.86	202	10,1625	1433.45	1503.45
32	6.0644	1318.61	1468.61	89	6.3286	1384.91	1534.91	146	27.0605	1490.46	1640.46	205	10.1025	1433.45	1565.45
33	6.7705	1318.61	1468.61	90	6.0111	1384.91	1534.91	147	28.1484	1490.46	1640.46	204	9.881	1433.45	1583.45
34	4.0585	1318.61	1468.61	91	5.6806	1384.91	1534.91	148	40.3868	1493.15	1643.15	205	6.0587	1433.45	1583.45
35	5.8843	1318.61	1468.61	92	6.0759	1384.91	1534.91	149	9.6064	1493.15	1643.15	206	6.0354	1433.45	1583.45
36	4.9297	1318.61	1468.61	93	3.0929	1384.91	1534.91	150	15.88	1495.8	1645.8	207	4.1008	1433.45	1583.45
37	15.4693	1318.61	1468.61	94	2.5827	1384.91	1534.91	151	47.2751	1495.8	1645.8	208	3.939	1433.45	1583.45
38	11.8554	1318.61	1468.61	95	4.6916	1384.91	1534.91	152	44.8495	1498.4	1648.4	209	7.6803	1433.45	1583.45
39	15.3813	1318.61	1468.61	96	4.4164	1384.91	1534.91	153	19.933	1498.4	1648.4	210	9.3071	1433.45	1583.45
40	15.8818	1318.61	1468.61	97	2.9755	1384.91	1534.91	154	17.4131	1501.13	1651.13	211	5.7987	1433.45	1583.45
41	12.7292	1318.61	1468.61	98	3.0391	1384.91	1534.91	155	30.2945	1501.13	1651.13	212	6.149	1433.45	1583.45
42	23.7082	1318.61	1468.61	99	3.6292	1384.91	1534.91	156	33.4653	1501.13	1651.13	213	6.2986	1433.45	1583.45
43	6.1266	1318.61	1468.61	100	3.9981	1384.91	1534.91	157	20.4283	1501.13	1651.13	214	7.5843	1433.45	1583.45
44	8.6693	1318.61	1468.61	101	3.5018	1384.91	1534.91	158	19.2869	1501.13	1651.13	215	7.8987	1433.45	1583.45
45	11.2843	1318.61	1468.61	102	3.4462	1384.91	1534.91	159	26.0127	1512.26	1662.26	216	5.7775	1433.45	1583.45
46	6,3693	1318.61	1468.61	103	8.735	1384.91	1534.91	160	27 2574	1513 29	1663.29	217	5,3393	1433.45	1583.45
47	4 299	1318 61	1468 61	104	10,9385	1384 91	1534 91	161	11 5779	1514.84	1664.84	218	5,2308	1433 45	1583 45
48	5 3967	1318.61	1468.61	105	3 7616	1384 91	1534 91	162	10.8367	1514.84	1664.84	219	4 7275	1433 45	1583.45
49	7 0535	1318.61	1468.61	106	4 2184	1384 91	1534.91	162	16 702	1514.04	1664.94	220	4 1267	1433.45	1583.45
50	4 2814	1318.61	1468.61	107	7 309	1384.01	1534.01	164	22 0127	1514.04	1664.04	221	3 2022	1432.45	1589.45
51	4 6422	1219 61	1469.61	102	6 7705	1384.01	1534.91	165	22.912/	1514.64	1004.84	222	4.0007	1433.45	1503.43
50	4.0423	1210 61	1469 64	100	5 9160	1384.01	1534.91	100	9.3544	1514.84	1004.84	222	4.998/	1423.45	1503.45
52	4.4112	10.01	1400.01	110	2.5109	1204.91	1524.91	100	17.8628	1514.84	1664.84	223	5.0147	1433.45	1583.45
35	4.4579	1318.61	1408.61	110	5.69/1	1384.91	1534.91	16/	3.913	1514.84	1664.84	224	4.8729	1433.45	1583.45
54	4.207	1318.61	1468.61		3.6165	1384.91	1534.91	168	3.3128	1514.84	1664.84	225	9.8297	1433.45	1583.45
55	4.2964	1318.61	1468.61	112	4.1262	1384.91	1534.91	169	11.5038	1514.84	1664.84	226	5.683	1433.45	1583.45
56	3.3007	1318.61	1468.61	113	4.8336	1384.91	1534.91	170	10.5056	1514.84	1664.84	227	4.1869	1433.45	1583.45
57	9.0397	1318.61	1468.61	114	4.7401	1384.91	1534.91	171	9.6732	1514.84	1664.84	228	3.8608	1433.45	1583.45
58	4.5121	1318.61	1468.61	115	4.561	1384.91	1534.91	172	8.8158	1514.84	1664.84	229	4.89	1433.45	1583.45
59	6.3696	1318.61	1468.61	116	4.3325	1384.91	1534.91	173	6.7267	1528.19	1678.19	230	4.8237	1433.45	1583.45

	Α	В	С		Α	В	С 🚽	Α	В	С		A	В	С
229	4.89	1433.45	1583.45	286	3.1043	1433.45	1583.45 343	4.4803	1711.74	1861.74	343	4.4803	1711.74	1861.74
230	4.8237	1433.45	1583.45	287	6.8803	1433.45	1583.45 344	4.689	1711.74	1861.74	344	4.689	1711.74	1861.74
231	6.2955	1433.45	1583.45	288	6.7004	1433.45	1583.45 345	5.1063	1711.74	1861.74	345	5.1063	1711.74	1861.74
232	6.1726	1433.45	1583.45	289	7.4429	1433.45	1583.45 346	5.3974	1711.74	1861.74	346	5.3974	1711.74	1861.74
233	6.3805	1433.45	1583.45	290	6.924	1433.45	1583.45 347	4.1291	1711.74	1861.74	347	4.1291	1711.74	1861.74
234	6.0655	1433.45	1583.45	291	6.5197	1433.45	1583.45 348	4.3437	1711.74	1861.74	348	4.3437	1711.74	1861.74
235	6.5983	1433.45	1583.45	292	4.8124	1433.45	1583.45 349	6.3625	1711.74	1861.74	349	6.3625	1711.74	1861.74
236	6.435	1433.45	1583.45	293	4.9425	1433.45	1583.45 350	9.1047	1711.74	1861.74	350	9.1047	1711.74	1861.74
237	4.5951	1433.45	1583.45	294	9.0117	1433.45	1583.45 351	9.2702	1711.74	1861.74	351	9.2702	1711.74	1861.74
238	4.2383	1433.45	1583.45	295	7.5742	1433.45	1583.45 352	14.9756	1711.74	1861.74	352	14.9756	1711.74	1861.74
239	4.0515	1433.45	1583.45	296	6.1949	1433.45	1583.45 353	17.3939	1711.74	1861.74	353	17.3939	1711.74	1861.74
240	5.4057	1433.45	1583.45	297	6.1945	1705.1	1855.1 354	8.0642	1711.74	1861.74	354	8.0642	1711.74	1861.74
241	4.0435	1433.45	1583.45	298	7.9799	1705.1	1855.1 355	7.1343	1711.74	1861.74	355	7.1343	1711.74	1861.74
242	4.0215	1433.45	1583.45	299	8.1851	1706.92	1856.92 356	8.8282	1711.74	1861.74	356	8.8282	1711.74	1861.74
243	4.9981	1433.45	1583.45	300	10.0966	1709.33	1859.33 357	8.8171	1711.74	1861.74	357	8.8171	1711.74	1861.74
244	6.9984	1433.45	1583.45	301	6.3496	1710.53	1860.53 358	7.1285	1711.74	1861.74	358	7.1285	1711.74	1861.74
245	8.3793	1433.45	1583.45	302	6.4731	1711.74	1861.74 359	6.6199	1711.74	1861.74	359	6.6199	1711.74	1861.74
246	32.6645	1433.45	1583.45	303	11.0978	1711.74	1861.74 360	4.9216	1711.74	1861.74	360	4.9216	1711.74	1861.74
247	30.4499	1433.45	1583.45	304	11.0823	1711.74	1861.74 361	4.9486	1711.74	1861.74	361	4.9486	1711.74	1861.74
248	5.5317	1433.45	1583.45	305	11.618	1711.74	1861.74 362	8.5304	1711.74	1861.74	362	8.5304	1711.74	1861.74
249	4.8762	1433.45	1583.45	306	14.4406	1711.74	1861.74 363	5.4685	1711.74	1861.74	363	5.4685	1711.74	1861.74
250	4.6759	1433.45	1583.45	307	7.8143	1711.74	1861.74 364	5.0752	1711.74	1861.74	364	5.0752	1711.74	1861.74
251	4.662	1433.45	1583.45	308	6.9117	1711.74	1861.74 365	5.0549	1711.74	1861.74	365	5.0549	1711.74	1861.74
252	8.8157	1433.45	1583.45	309	6.3602	1711.74	1861.74 366	5.7359	1711.74	1861.74	366	5.7359	1711.74	1861.74
253	7.3417	1433.45	1583.45	310	5.4885	1711.74	1861.74 367	10.2441	1711.74	1861.74	367	10.2441	1711.74	1861.74
254	3.1754	1433.45	1583.45	311	6.6389	1711.74	1861.74 368	11.0351	1711.74	1861.74	368	11.0351	1711.74	1861.74
255	4.2288	1433.45	1583.45	312	8.8041	1711.74	1861.74 369	7.3986	1711.74	1861.74	369	7.3986	1711.74	1861.74
256	4.4923	1433.45	1583.45	313	9.1612	1711.74	1861.74 370	7.924	1711.74	1861.74	370	7.924	1711.74	1861.74
257	4.5322	1433.45	1583.45	314	12.3291	1711.74	1861.74 371	6.9809	1711.74	1861.74	371	6,9809	1711.74	1861.74
258	4.6994	1433.45	1583.45	315	11.7199	1711.74	1861.74 372	6.5666	1711.74	1861.74	372	6,5666	1711.74	1861.74
259	5.2223	1433.45	1583.45	316	11.4305	1711.74	1861.74 373	8.6222	1711.74	1861.74	373	8.6222	1711.74	1861.74
260	5.1361	1433.45	1583.45	317	13.5145	1711.74	1861.74 374	6.6513	1711.74	1861.74	374	6.6513	1711.74	1861.74
261	4.952	1433.45	1583.45	318	15.704	1711.74	1861.74 375	4.5035	1711.74	1861.74	375	4,5035	1711.74	1861.74
262	5.1835	1433.45	1583.45	319	16.3622	1711.74	1861.74 376	8.375	1711.74	1861.74	376	8.375	1711.74	1861.74
263	7.3178	1433.45	1583.45	320	12.8963	1711.74	1861.74 377	11.0346	1711.74	1861.74	377	11.0346	1711.74	1861.74
264	7.5683	1433.45	1583.45	321	24,4378	1711.74	1861.74 378	18.0003	1711.74	1861.74	378	18 0003	1711 74	1861 74
265	11.5614	1433.45	1583.45	322	26.8309	1711.74	1861.74 379	16.7499	1711.74	1861.74	379	16,7499	1711.74	1861.74
266	4.2436	1433.45	1583.45	323	24,8554	1711.74	1861.74 380	14.5233	1711.74	1861.74	380	14 5233	1711 74	1861 74
267	9.7684	1433.45	1583.45	324	11,5923	1711.74	1861.74 381	19.15	1711.74	1861.74	381	19 15	1711 74	1861 74
268	9.9509	1433.45	1583.45	325	10 8026	1711 74	1861 74 382	14.6053	1711.74	1861.74	382	14 6053	1711 74	1861 74
269	10.4106	1433.45	1583.45	326	7 9678	1711 74	1861 74 383	14.1379	1711.74	1861.74	202	14 1370	1711 74	1861.74
270	11.6559	1433.45	1583.45	327	14,4513	1711 74	1861.74 384	13.2229	1711.74	1861.74	384	13 2229	1711 74	1861 74
271	3.9752	1433.45	1583.45	328	7,4081	1711 74	1861.74 385	9.6594	1711.74	1861.74	385	9 659/	1711 74	1861 74
272	4.3624	1433.45	1583.45	329	5,4679	1711 74	1861.74 386	13.7384	1711.74	1861.74	386	13 7384	1711 74	1861 74
273	4.5646	1433.45	1583.45	330	4,5515	1711 74	1861.74 387	3.6956	1711.74	1861.74	387	3 6056	1711 74	1861 74
274	4.6813	1433.45	1583.45	331	5 6705	1711 74	1861 74 388	3.3799	1711.74	1861.74	200	3 3700	1711.74	1861.74
275	6.3124	1433.45	1583.45	332	4 3603	1711 74	1861 74 389	23.9421	1711.74	1861.74	380	23 0421	1711 74	1861.74
276	5,7683	1433.45	1583.45	332	4.9458	1711.74	1861 74 390	9.3027	1711.74	1861.74	200	0 2027	1711.74	1961.74
277	4.4692	1433.45	1583.45	334	10.8776	1711 74	1861 74 391	9.5746	1711.74	1861.74	350	9.5027	1711 74	1861.74
278	10,9168	1433.45	1583.45	225	11 0770	1711 74	1861 74 392	7 228	1711 74	1861 74	202	3.3740	1711.74	1961.74
279	7,4293	1433.45	1583.45	226	7 0052	1711 74	1861 74 392	7,5542	1711 74	1861 74	202	7.220	1711.74	1061.74
280	7,5705	1433 45	1583 45	330	8 9617	1711.74	1861 74 394	8 5735	1711 74	1861 74	204	7.5542	1711.74	1001.74
281	9 6852	1433 45	1583.45	220	0.001/	1711.74	1061 74 305	9.6185	1711 74	1861.74	394	8.5735	1711.74	1861.74
282	9 1717	1433.45	1583.45	220	9.1//6	1711.74	1001.74 393	9 7472	1711 74	1861.74	395	9.6185	1/11./4	1861./4
283	10.8606	1433.45	1583.45	339	10 1057	1711.74	1001.74 390	10 7702	1711 74	1861.74	390	9./4/2	1/11./4	1861./4
284	12 8265	1433.45	1583.45	340	10.1957	1711.74	1001./4 39/	12 7442	1711 74	1861.74	397	10.7703	1/11.74	1861.74
204	13 2452	1433.45	1582.45	341	9.0009	1/11./4	1861./4 590	4 2702	1711.74	1961.74	398	12.7442	1711.74	1861.74
203	3 1042	1/39 /F	1582 45	342	5.861	1/11.74	1861.74 599	4.3/92	1711.74	1001.74	399	4.3792	1711.74	1861.74
200	5.1043	1433.45	1503.45	343	4.4803	1711.74	1861.74 400	4.581	1/11./4	1001./4	400	4.581	1711.74	1861.74
287	0.8803	1453.45	1583.45	344	4.689	1711.74	1861.74 401	3.7484	1/11.74	1861.74	401	3.7484	1711.74	1861.74

	Α	В	С		Α	В	c		Α	В	c		Α	в	с
400	4.581	1711.74	1861.74	457	8.8662	1711.74	1861.74	457	8.8662	1711.74	1861.74	514	24,5975	1711.74	1861.74
401	3.7484	1711.74	1861.74	458	8.9926	1711.74	1861.74	458	8.9926	1711.74	1861.74	515	13,2035	1711.74	1861.74
402	5.8062	1711.74	1861.74	459	9.0118	1711.74	1861.74	459	9.0118	1711.74	1861.74	516	12 1062	1711 74	1861 74
403	6.3158	1711.74	1861.74	460	7.4821	1711.74	1861.74	460	7.4821	1711.74	1861.74	517	17 0912	1711 74	1861 74
404	4.2326	1711.74	1861.74	461	7.0454	1711.74	1861.74	461	7.0454	1711.74	1861.74	518	17 3329	1711 74	1861 74
405	4.8012	1711.74	1861.74	462	7 3253	1711 74	1861 74	462	7.3253	1711.74	1861.74	510	6 8662	1711 74	1861.74
406	6.3687	1711.74	1861.74	463	6 3839	1711 74	1861 74	463	6 3839	1711.74	1861.74	520	6 1567	1711.74	1861.74
407	6.7847	1711.74	1861.74	464	3 8437	1711 74	1861 74	464	3 8437	1711 74	1861 74	521	0.1307	1711.74	1001.74
408	7.3861	1711.74	1861.74	465	4 4984	1711 74	1861 74	465	4 4984	1711 74	1861 74	522	20 1 9 7 9	1711.74	1001.74
409	7.3504	1711.74	1861.74	466	4.9845	1711 74	1861.74	466	4 9845	1711 74	1861.74	522	29.10/0	1711.74	1001.74
410	5,7067	1711.74	1861.74	467	7 6061	1711 74	1961.74	467	7 6061	1711 74	1861.74	525	24.1175	1/11./4	1001.74
411	5.3635	1711.74	1861.74	407	7.0001 9.0E12	1711.74	1001.74	407	8.0513	1711.74	1961.74	524	8.53/1	1/11./4	1861.74
412	5.5103	1711.74	1861.74	400	2.0513	1711.74	1001.74	400	2.0515	1711.74	1961.74	525	8.1582	1/11./4	1861.74
413	5 9749	1711 74	1861 74	409	3.75	1711.74	1001.74	403	4 5 9 5 7	1711.74	1001.74	520	10.6005	1/11./4	1861.74
414	5 9341	1711 74	1861.74	470	4.5567	1/11./4	1861.74	470	4.5507	1/11./4	1001.74	527	10.3481	1711.74	1861.74
415	4 5916	1711 74	1861.74	4/1	7.6595	1/11./4	1861.74	4/1	7.6595	1/11./4	1861.74	528	5.173	1711.74	1861.74
416	6 7063	1711 74	1861.74	4/2	/.1/3	1/11./4	1861.74	472	/.1/3	1/11./4	1861.74	529	6.1969	1711.74	1861.74
417	6 3091	1711.74	1861.74	4/3	3.2417	1/11./4	1861.74	4/3	3.2417	1/11./4	1861.74	530	6.0388	1711.74	1861.74
417	6 5793	1711.74	1001.74	4/4	3.6031	1711.74	1861.74	4/4	3.6031	1711.74	1861.74	531	5.4243	1711.74	1861.74
410	6.0179	1711.74	1001.74	4/5	10.6203	1711.74	1861.74	4/5	10.6203	1711.74	1861.74	532	9.3595	1711.74	1861.74
419	0.0178	1/11./4	1001.74	476	10.7911	1711.74	1861.74	476	10.7911	1711.74	1861.74	533	8.2417	1711.74	1861.74
420	6.564	1/11./4	1861.74	477	17.3394	1711.74	1861.74	477	17.3394	1711.74	1861.74	534	4.6693	1711.74	1861.74
421	6.0412	1/11./4	1861.74	478	14.5847	1711.74	1861.74	478	14.5847	1711.74	1861.74	535	4.5465	1711.74	1861.74
422	3.4703	1711.74	1861.74	479	4.2497	1711.74	1861.74	479	4.2497	1711.74	1861.74	536	4.5926	1711.74	1861.74
423	3.2597	1711.74	1861.74	480	3.9475	1711.74	1861.74	480	3.9475	1711.74	1861.74	537	4.4621	2046.92	2196.92
424	4.1333	1711.74	1861.74	481	3.6302	1711.74	1861.74	481	3.6302	1711.74	1861.74	538	8.6188	2047.36	2197.36
425	4.0931	1711.74	1861.74	482	3.6286	1711.74	1861.74	482	3.6286	1711.74	1861.74	539	8.9149	2049.58	2199.58
426	4.5868	1711.74	1861.74	483	3.6089	1711.74	1861.74	483	3.6089	1711.74	1861.74	540	5.2793	2050.59	2200.59
427	4.8932	1711.74	1861.74	484	3.5287	1711.74	1861.74	484	3.5287	1711.74	1861.74	541	5.101	2050.59	2200.59
428	7.5978	1711.74	1861.74	485	5.1569	1711.74	1861.74	485	5.1569	1711.74	1861.74	542	10.3327	2050.59	2200.59
429	7.4191	1711.74	1861.74	486	5.4708	1711.74	1861.74	486	5.4708	1711.74	1861.74	543	7.5954	2050.59	2200.59
430	5.7246	1711.74	1861.74	487	5.9364	1711.74	1861.74	487	5.9364	1711.74	1861.74	544	10.3472	2050.59	2200.59
431	9.6483	1711.74	1861.74	488	6.2102	1711.74	1861.74	488	6.2102	1711.74	1861.74	545	9.5116	2050.59	2200.59
432	8.8231	1711.74	1861.74	489	8.2366	1711.74	1861.74	489	8.2366	1711.74	1861.74	546	7.1301	2050.59	2200.59
433	9.7469	1711.74	1861.74	490	10.8099	1711.74	1861.74	490	10.8099	1711.74	1861.74	547	6.8844	2050.59	2200.59
434	10.9487	1711.74	1861.74	491	9.806	1711.74	1861.74	491	9.806	1711.74	1861.74	548	10.6337	2050.59	2200.59
435	4.9455	1711.74	1861.74	492	6.7748	1711.74	1861.74	492	6.7748	1711.74	1861.74	549	12,2325	2063.42	2213.42
436	4.9424	1711.74	1861.74	493	8.8327	1711.74	1861.74	493	8.8327	1711.74	1861.74	550	11 1524	2063 42	2213 42
437	5.1751	1711.74	1861.74	494	8.7355	1711.74	1861.74	494	8.7355	1711.74	1861.74	551	9 1001	2065 41	2215 41
438	5.2172	1711.74	1861.74	495	5.0725	1711.74	1861.74	495	5.0725	1711.74	1861.74	552	16 4111	2067.48	2217.48
439	4.7903	1711.74	1861.74	496	4,2582	1711.74	1861.74	496	4,2582	1711.74	1861.74	552	15 4391	2069.07	2217.40
440	11.6379	1711.74	1861.74	497	10,1968	1711.74	1861.74	497	10,1968	1711.74	1861.74	554	8 1014	2069.07	2219.07
441	10.8945	1711.74	1861.74	498	12 2805	1711 74	1861 74	498	12 2805	1711 74	1861 74	555	7 4426	2005.07	2213.07
442	7.1156	1711.74	1861.74	499	7 9288	1711 74	1861 74	499	7 9288	1711 74	1861 74	556	10 /3/3	2071.20	2221.20
443	9.2432	1711.74	1861.74	500	7 9724	1711 74	1861 74	500	7 9724	1711 74	1861.74	557	11.0754	2071.20	2221.20
444	8.631	1711.74	1861.74	501	6 9103	1711 74	1861 74	501	6 9103	1711 74	1861.74	550	6 3747	2071.20	2221.20
445	11.4393	1711.74	1861.74	502	6 7742	1711 74	1861.74	502	6 7742	1711 74	1861.74	270	0.2/4/	2071.20	2221.20
446	11.5141	1711.74	1861.74	502	4 767	1711.74	1961.74	502	4 767	1711.74	1961.74	209	5.5842	2071.26	2221.26
447	9.6488	1711.74	1861.74	504	4.707	1711.74	1961 74	504	4.707	1711.74	1961.74	561	6.1945	20/1.26	2221.26
448	4,2286	1711.74	1861.74	505	4.0470	1711.74	1001.74	505	4.0470	1711.74	1001.74	501	6.5562	20/1.26	2221.26
449	4,2455	1711 74	1861 74	502	17 4012	1711.74	1001.74	502	17 4012	1711.74	1001./4	562	4.4169	20/1.26	2221.26
450	5,7204	1711 74	1861 74	500	17.4913	1711.74	1001./4	507	17.4913	1711.74	1001./4	563	4.545	2071.26	2221.26
451	6 5423	1711 74	1861 74	507	15.0802	1/11./4	1001./4	507	15.0802	1/11./4	1001./4	564	16.1054	2071.26	2221.26
452	6 3415	1711 74	1861 74	508	15.839	1/11.74	1861.74	508	15.839	1/11.74	1861.74	565	17.2392	2071.26	2221.26
452	9,8127	1711 74	1861 74	509	10.7671	1/11.74	1861.74	509	10.7671	1/11.74	1861.74	566	7.7461	2071.26	2221.26
454	10 2326	1711 74	1861.74	510	8.9919	1/11.74	1861.74	510	8.9919	1/11.74	1861.74	567	7.394	2071.26	2221.26
455	3 7507	1711 74	1861.74	511	9.7886	1/11.74	1861.74	511	9.7886	1/11.74	1861.74	568	7.0487	2071.26	2221.26
455	3.7337	1711 74	1961 74	512	11.6084	1711.74	1861.74	512	11.6084	1711.74	1861.74	569	6.9869	2071.26	2221.26
450	9,7620	1711.74	1961.74	513	26.3865	1711.74	1861.74	513	26.3865	1711.74	1861.74	570	4.5308	2071.26	2221.26
437	0.0002	1711.74	1001./4	514	24.5975	1711.74	1861.74	514	24.5975	1711.74	1861.74	571	4.4811	2071.26	2221.26
408	a.9926	1/11./4	1801./4	515	13.2035	1711.74	1861.74	515	13.2035	1711.74	1861.74	572	9.9179	2071.26	2221.26

	Α	В	С		Α	В	C	Α	В	c		Α	В	С
571	4.4811	2071.26	2221.26	628	8.8823	2071.26	2221.26 685	15.0148	2071.26	2221.26	742	12.4957	2308.63	2458.63
572	9.9179	2071.26	2221.26	629	8.6106	2071.26	2221.26 686	4.7865	2071.26	2221.26	743	14.7059	2308.63	2458.63
573	9.7985	2071.26	2221.26	630	6.2637	2071.26	2221.26 687	4.7272	2071.26	2221.26	744	10.8629	2308.63	2458.63
574	12.5705	2071.26	2221.26	631	5.9179	2071.26	2221.26 688	10.2746	2071.26	2221.26	745	9.2849	2308.63	2458.63
575	8.4005	2071.26	2221.26	632	15.3603	2071.26	2221.26 689	9.1996	2071.26	2221.26	746	10.5248	2308.63	2458.63
576	11.811	2071.26	2221.26	633	16.2931	2071.26	2221.26 690	3.8813	2071.26	2221.26	747	11.8999	2308.63	2458.63
577	12.4813	2071.26	2221.26	634	10.3603	2071.26	2221.26 691	4.4985	2071.26	2221.26	748	11.1353	2308.63	2458.63
578	9.8012	2071.26	2221.26	635	11.3694	2071.26	2221.26 692	4.932	2071.26	2221.26	749	10.9371	2348.56	2498.56
579	10.1934	2071.26	2221.26	636	19.7847	2071.26	2221.26 693	5.1831	2071.26	2221.26	750	12.5985	2349.32	2499.32
580	10.8808	2071.26	2221.26	637	20.0797	2071.26	2221.26 694	5.5222	2071.26	2221.26	751	9.5073	2349.32	2499.32
581	11.4558	2071.26	2221.26	638	13.0349	2071.26	2221.26 695	5.6034	2071.26	2221.26	752	10.2489	2349.32	2499.32
582	14.6846	2071.26	2221.26	639	11.7607	2071.26	2221.26 696	5.2689	2071.26	2221.26	753	9.7936	2349.32	2499.32
583	19.1875	2071.26	2221.26	640	13.719	2071.26	2221.26 697	5.0388	2071.26	2221.26	754	14.5109	2349.32	2499.32
584	17.8524	2071.26	2221.26	641	13.027	2071.26	2221.26 698	21.2539	2071.26	2221.26	755	12.3809	2349.32	2499.32
585	12.2057	2071.26	2221.26	642	9.4296	2071.26	2221.26 699	20.2764	2071.26	2221.26	756	4.5158	2349.32	2499.32
586	8.7337	2071.26	2221.26	643	8.2885	2071.26	2221.26 700	4.9244	2071.26	2221.26	757	4.8492	2349.32	2499.32
587	9.1504	2071.26	2221.26	644	6.9578	2071.26	2221.26 701	4.9256	2071.26	2221.26	758	5.3814	2349.32	2499.32
588	9.1079	2071.26	2221.26	645	6.9379	2071.26	2221.26 702	4.8606	2071.26	2221.26	759	4.5287	2349.32	2499.32
589	9.3599	2071.26	2221.26	646	11.5062	2071.26	2221.26 703	4.9361	2071.26	2221.26	760	11.5596	2349.32	2499.32
590	5.4855	2071.26	2221.26	647	7.8373	2071.26	2221.26 704	5.4562	2071.26	2221.26	761	13.767	2349.32	2499.32
591	5.6724	2071.26	2221.26	648	8.6145	2071.26	2221.26 705	5.6782	2071.26	2221.26	762	15.5422	2349.32	2499.32
592	5.7681	2071.26	2221.26	649	8.7307	2071.26	2221.26 706	8.903	2285.81	2435.81	763	12.1311	2349.32	2499.32
593	5.7451	2071.26	2221.26	650	12.6276	2071.26	2221.26 707	10.7616	2287.89	2437.89	764	11.6591	2368.49	2518.49
594	7.9049	2071.26	2221.26	651	8.3901	2071.26	2221.26 708	6.6811	2288.97	2438.97	765	11.4078	2370.65	2520.65
595	7.6079	2071.26	2221.26	652	15.9785	2071.26	2221.26 709	6.3346	2288.97	2438.97	766	10.089	2370.65	2520.65
596	6.2517	2071.26	2221.26	653	17.5351	2071.26	2221.26 710	11.7003	2288.97	2438.97	767	10.3412	2374.13	2524.13
597	6.6235	2071.26	2221.26	654	13.1232	2071.26	2221.26 711	12.0248	2288.97	2438.97	768			
598	9.2889	2071.26	2221.26	655	15.963	2071.26	2221.26 712	17.0032	2288.97	2438.97	769			
599	10.9539	2071.26	2221.26	656	14.2327	2071.26	2221.26 713	14.6098	2288.97	2438.97	770			
600	15.5032	2071.26	2221.26	657	13.7782	2071.26	2221.26 714	4.9523	2288.97	2438.97	771			
601	11.0458	2071.26	2221.26	658	11.5305	2071.26	2221.26 715	5.2674	2288.97	2438.97	772			
602	7.5033	2071.26	2221.26	659	12.1945	2071.26	2221.26 716	25.0459	2288.97	2438.97	773			
603	7.2902	2071.26	2221.26	660	14.3486	2071.26	2221.26 717	25.4452	2288.97	2438.97	774			
604	11.3327	2071.26	2221.26	661	15.7246	2071.26	2221.26 718	15.7694	2303.04	2453.04	775			
605	21.3411	2071.26	2221.26	662	8.1689	2071.26	2221.26 719	14.1741	2305.14	2455.14	776			
606	11.6543	2071.26	2221.26	663	10.7266	2071.26	2221.26 720	4.0138	2305.14	2455.14	777			
607	12.5812	2071.26	2221.26	664	7.6043	2071.26	2221.26 721	5.0208	2307.48	2457.48	778			
608	11.3973	2071.26	2221.26	665	7.8243	2071.26	2221.26 722	12.3158	2308.63	2458.63	779			
609	10.8878	2071.26	2221.26	666	22.9226	2071.26	2221.26 723	13.9562	2308.63	2458.63	780			
610	13.7355	2071.26	2221.26	667	24.4331	2071.26	2221.26 724	7.1653	2308.63	2458.63	781			
611	12.9326	2071.26	2221.26	668	10.5753	2071.26	2221.26 725	7.1595	2308.63	2458.63	782			
612	10.9939	2071.26	2221.26	669	9.4578	2071.26	2221.26 726	5.2507	2308.63	2458.63	783			
613	10.2565	2071.26	2221.26	670	12.8556	2071.26	2221.26 727	5.3888	2308.63	2458.63	784			
614	16.2774	2071.26	2221.26	671	14.5109	2071.26	2221.26 728	11.7331	2308.63	2458.63	785			
615	10.6905	2071.26	2221.26	672	6.5009	2071.26	2221.26 729	12.4899	2308.63	2458.63	786			
616	11.377	2071.26	2221.26	673	5.8005	2071.26	2221.26 730	3.8332	2308.63	2458.63	787			
617	10.9084	2071.26	2221.26	674	6.8884	2071.26	2221.26 731	3.767	2308.63	2458.63	788			
618	15.011	2071.26	2221.26	675	6.8723	2071.26	2221.26 732	4.4824	2308.63	2458.63	789			
619	14.9537	2071.26	2221.26	676	16.3756	2071.26	2221.26 733	5.0288	2308.63	2458.63	790			
620	12.5812	2071.26	2221.26	677	23.0798	2071.26	2221.26 734	6.8372	2308.63	2458.63	791			
621	15.3935	2071.26	2221.26	678	9.6935	2071.26	2221.26 735	6.8723	2308.63	2458.63	792			
622	10.4518	2071.26	2221.26	679	9.9764	2071.26	2221.26 736	9.9114	2308.63	2458.63	793			
623	9.2275	2071.26	2221.26	680	10.2343	2071.26	2221.26 737	9.0233	2308.63	2458.63	794			
624	21.1354	2071.26	2221.26	681	8.6541	2071.26	2221.26 738	6.585	2308.63	2458.63	795			
625	23.8445	2071.26	2221.26	682	13.9562	2071.26	2221.26 739	6.1063	2308.63	2458.63	796			
626	6.7781	2071.26	2221.26	683	11.6414	2071.26	2221.26 740	4.33	2308.63	2458.63	797			
627	6.6716	2071.26	2221.26	684	14.9234	2071.26	2221.26 741	4.2023	2308.63	2458.63	798			
628	8.8823	2071.26	2221.26	685	15.0148	2071.26	2221.26 742	12.4957	2308.63	2458.63	799			
629	8.6106	2071.26	2221.26	686	4.7865	2071.26	2221.26 743	14.7059	2308.63	2458.63	800			

## Table (4.3) overburden stress, pore pressure eaton and fraction pressure

	А	В	С		Α	В	с		Α	В	С	Α	В	С
1	Pob	PPE	FPE	52	536.1454	1318.61	1468.61	103	563.9542	1384.91	1534.91 154	590.7938	1501.13	1651.13
2	502.9246	1273.75	1423.75	53	536.729	1318.61	1468.61	104	564.0375	1384.91	1534.91 155	591.7924	1501.13	1651.13
3	503.0069	1273.75	1423.75	54	537.2292	1318.61	1468.61	105	565.037	1384.91	1534.91 156	591.8756	1501.13	1651.13
4	503.5833	1273.75	1423.75	55	537.8127	1318.61	1468.61	106	565.1203	1384.91	1534.91 157	592.8741	1501.13	1651.13
5	504.1597	1273.75	1423.75	56	538.2296	1318.61	1468.61	107	566.1197	1384.91	1534.91 158	592.9573	1501.13	1651.13
6	504.6537	1273.75	1423.75	57	538.8965	1318.61	1468.61	108	566.203	1384.91	1534.91 159	594.039	1512.26	1662.26
7	505.2301	1273.75	1423.75	58	539.3968	1318.61	1468.61	109	567.2858	1384.91	1534.91 160	594.1223	1513.29	1663.29
8	505.7241	1273.75	1423.75	59	539.9803	1318.61	1468.61	110	567.3691	1384.91	1534.91 161	595.1208	1514.84	1664.84
9	506.3005	1273.75	1423.75	60	540.4806	1318.61	1468.61	111	568.2853	1384.91	1534.91 162	595.2872	1514.84	1664.84
10	506.7945	1273.75	1423.75	61	541.0641	1318.61	1468.61	112	568.4518	1384.91	1534.91 163	596.2025	1514.84	1664.84
11	507.3709	1273.75	1423.75	62	541.6477	1318.61	1468.61	113	569.4513	1384.91	1534.91 164	596.2857	1514.84	1664.84
12	507.8649	1273.75	1423.75	63	542.1479	1318.61	1468.61	114	569.5346	1384.91	1534.91 165	597.2843	1514.84	1664.84
13	508.4413	1273.75	1423.75	64	542.7315	1318.61	1468.61	115	570.5341	1384.91	1534.91 166	597.3675	1514.84	1664.84
14	509.0177	1273.75	1423.75	65	543.2317	1318.61	1468.61	116	570.6174	1384.91	1534.91 167	598.366	1514.84	1664.84
15	509.5117	1273.75	1423.75	66	543.8153	1318.61	1468.61	117	571.6169	1384.91	1534.91 168	598.4492	1514.84	1664.84
16	510.0881	1273.75	1423.75	67	545.3503	1395.91	1545.91	118	571.7001	1384.91	1534.91 169	599.4477	1514.84	1664.84
17	510.5821	1273.75	1423.75	68	545.4171	1380.7	1530.7	119	572.6996	1384.91	1534.91 170	599.5309	1514.84	1664.84
18	511.1585	1273.75	1423.75	69	545.9178	1380.7	1530.7	120	572.7829	1384.91	1534.91 171	600.5295	1514.84	1664.84
19	511.6525	1273.75	1423.75	70	545.4639	1383.5	1533.5	121	573.7824	1384.91	1534.91 172	600.6127	1514.84	1664.84
20	512.2289	1273.75	1423.75	71	546.0469	1384.91	1534.91	122	573.8657	1384.91	1534.91 173	601.6112	1528.19	1678.19
21	512.8052	1314.44	1464.44	72	546.5467	1384.91	1534.91	123	574.7819	1384.91	1534.91 174	601.6944	1530.24	1680.24
22	519.2277	1315.75	1465.75	73	547.1297	1384.91	1534.91	124	575.4482	1384.91	1534.91 175	602.7761	1530.24	1680.24
23	519.8107	1317.15	1467.15	74	547.6294	1384.91	1534.91	125	575.5315	1384.91	1534.91 176	602.2852	1532.2	1682.2
24	520.8055	1318.61	1468.61	75	548.2125	1384.91	1534.91	126	576.5309	1384.91	1534.91 177	603.2828	1433.45	1583.45
25	521.3891	1318.61	1468.61	76	548.7122	1384.91	1534.91	127	576.6142	1384.91	1534.91 178	603.3659	1433.45	1583.45
26	521.8893	1318.61	1468.61	77	549.2952	1384.91	1534.91	128	577.6137	1384.91	1534.91 179	604.3635	1433.45	1583.45
27	522.4729	1318.61	1468.61	78	549.8783	1384.91	1534.91	129	577.697	1384.91	1534.91 180	604.4466	1433.45	1583.45
28	522.9731	1318.61	1468.61	79	550.8777	1384.91	1534.91	130	578.6965	1384.91	1534.91 181	605.4442	1433.45	1583.45
29	523.5567	1318.61	1468.61	80	550.961	1384.91	1534.91	131	578.7798	1384.91	1534.91 182	605.5273	1433.45	1583.45
30	524.1402	1318.61	1468.61	81	551.9605	1384.91	1534.91	132	579.7792	1384.91	1534.91 183	606.5249	1433.45	1583.45
31	524.6405	1318.61	1468.61	82	552.0438	1384.91	1534.91	133	579.8625	1384.91	1534.91 184	606.608	1433.45	1583.45
32	525.224	1318.61	1468.61	83	553.0433	1384.91	1534.91	134	580.9453	1384.91	1534.91 185	607.6056	1433.45	1583.45
33	525.7243	1318.61	1468.61	84	553.1266	1384.91	1534.91	135	581.0286	1384.91	1534.91 186	607.6887	1433.45	1583.45
34	526.3078	1318.61	1468.61	85	554.126	1384.91	1534.91	136	582.0281	1384.91	1534.91 187	608.6863	1433.45	1583.45
35	526.8081	1318.61	1468.61	86	554.2093	1384.91	1534.91	137	582.1113	1384.91	1534.91 188	608.7694	1433.45	1583.45
36	527.3916	1318.61	1468.61	87	555.2088	1384.91	1534.91	138	583.1108	1384.91	1534.91 189	609.767	1433.45	1583.45
37	527.9752	1318.61	1468.61	88	555.2921	1384.91	1534.91	139	583.1941	1384.91	1534.91 190	609.8501	1433.45	1583.45
38	528.4754	1318.61	1468.61	89	556.2916	1384.91	1534.91	140	584.1936	1384.91	1534.91 191	610.9308	1433.45	1583.45
39	529.059	1318.61	1468.61	90	556.3748	1384.91	1534.91	141	584.2769	1384.91	1534.91 192	611.014	1433.45	1583.45
40	529.5592	1318.61	1468.61	91	557.3743	1384.91	1534.91	142	585.2764	1384.91	1534.91 193	612.0115	1433.45	1583.45
41	530.1428	1318.61	1468.61	92	557.4576	1384.91	1534.91	143	586.4736	1485.7	1635.7 194	612.0947	1433.45	1583.45
42	530.643	1318.61	1468.61	93	558.5404	1384.91	1534.91	144	586.3591	1487.86	1637.86 195	613.0922	1433.45	1583.45
43	531.2266	1318.61	1468.61	94	558.6237	1384.91	1534.91	145	586.4424	1487.86	1637.86 196	613.1754	1433.45	1583.45
44	531.7268	1318.61	1468.61	95	559.6231	1384.91	1534.91	146	587.3586	1490.46	1640.46 197	614.0898	1433.45	1583.45
45	532.3104	1318.61	1468.61	96	559.7064	1384.91	1534.91	147	588.0249	1490.46	1640.46 198	614.7549	1433.45	1583.45
46	532.894	1318.61	1468.61	97	560.7059	1384.91	1534.91	148	587.5486	1493.15	1643.15 199	614.838	1433.45	1583.45
47	533.3942	1318.61	1468.61	98	560.7892	1384.91	1534.91	149	588.5472	1493.15	1643.15 200	615.5862	1433.45	1583.45
48	533.9778	1318.61	1468.61	99	561.7887	1384.91	1534.91	150	588.0698	1495.8	1645.8 201	616.9163	1433.45	1583.45
49	534.478	1318.61	1408.01	100	561.872	1384.91	1534.91	151	589.0673	1495.8	1645.8 202	617.007	1433.45	1503.45
50	535.0010	1318.01	1408.01	101	562.8714	1384.91	1534.91	152	589.7121	1498.4	1648.4 203	610 0001	1455.45 1422 AF	1502 45
21	535.3018	1318.01	1408.01	102	562.9547	1384.91	1534.91	153	590.7106	1498.4	1648.4 202	619.0777	1455.45 1422 AF	1502 45
52	536.1454	1318.01	1408.01	103	563.9542	1384.91	1534.91	154	590.7938	1501.13	1651.13 205	619 1609	1455.45 1422 AF	1502 45
53	530.729	1318.01	1408.01	104	564.0375	1384.91	1534.91	155	591.7924	1501.13	1651.13 200	013.1008	1455.45	1383.45

	Α	В	с		Α	В	С	Α	В	с		Α	В	С
205	619.0777	1433.45	1583.45	256	645.9291	1433.45	1583.45 307	674.2768	1711.74	1861.74	358	703.6221	1711.74	1861.74
206	619.1608	1433.45	1583.45	257	646.9266	1433.45	1583.45 308	675.2743	1711.74	1861.74	359	703.7052	1711.74	1861.74
207	620.1584	1433.45	1583.45	258	647.0098	1433.45	1583.45 309	675.3575	1711.74	1861.74	360	704.7028	1711.74	1861.74
208	620.2415	1433.45	1583.45	259	648.0073	1433.45	1583.45 310	676.3551	1711.74	1861.74	361	704.7859	1711.74	1861.74
209	621.2391	1433.45	1583.45	260	648.0905	1433.45	1583.45 311	676.4382	1711.74	1861.74	362	705.7003	1711.74	1861.74
210	621.3222	1433.45	1583.45	261	649.088	1433.45	1583.45 312	677.4358	1711.74	1861.74	363	706.3654	1711.74	1861.74
211	622.2367	1433.45	1583.45	262	649.1712	1433.45	1583.45 313	677.5189	1711.74	1861.74	364	706.4485	1711.74	1861.74
212	622.9017	1433.45	1583.45	263	650.1687	1433.45	1583.45 314	678.4333	1711.74	1861.74	365	707.4461	1711.74	1861.74
213	622.9849	1433.45	1583.45	264	650.2519	1433.45	1583.45 315	679.0984	1711.74	1861.74	366	707.5292	1711.74	1861.74
214	623.9824	1433.45	1583.45	265	651.1663	1433.45	1583.45 316	680.1791	1711.74	1861.74	367	708.5268	1711.74	1861.74
215	624.0656	1433.45	1583.45	266	652.4133	1433.45	1583.45 317	680.2622	1711.74	1861.74	368	708.6099	1711.74	1861.74
216	625.0631	1433.45	1583.45	267	653.1615	1433.45	1583.45 318	681.2598	1711.74	1861.74	369	709.6075	1711.74	1861.74
217	625.1463	1433.45	1583.45	268	653.9928	1433.45	1583.45 319	681.3429	1711.74	1861.74	370	709.6906	1711.74	1861.74
218	626.1438	1433.45	1583.45	269	654.0759	1433.45	1583.45 320	682.3405	1711.74	1861.74	371	710.6882	1711.74	1861.74
219	626.227	1433.45	1583.45	270	655.0735	1433.45	1583.45 321	682.4236	1711.74	1861.74	372	710.7713	1711.74	1861.74
220	627.2245	1433.45	1583.45	271	655.1566	1433.45	1583.45 322	683.4212	1711.74	1861.74	373	711.7689	1711.74	1861.74
221	627.3077	1433.45	1583.45	272	656.1542	1433.45	1583.45 323	683.5043	1711.74	1861.74	374	711.8521	1711.74	1861.74
222	628.2221	1433.45	1583.45	273	656.2373	1433.45	1583.45 324	684.5019	1711.74	1861.74	375	712.6834	1711.74	1861.74
223	628.8872	1433.45	1583.45	274	656.3204	1433.45	1583.45 325	684.585	1711.74	1861.74	376	713.4315	1711.74	1861.74
224	628.9703	1433.45	1583.45	275	657.2349	1433.45	1583.45 326	685.6657	1711.74	1861.74	377	713.5147	1711.74	1861.74
225	629.6353	1433.45	1583.45	276	657.318	1433.45	1583.45 327	685.7489	1711.74	1861.74	378	714.5123	1711.74	1861.74
226	630.3835	1433.45	1583.45	277	658.0662	1433.45	1583.45 328	686.6633	1711.74	1861.74	379	714.5954	1711.74	1861.74
227	631.0486	1433.45	1583.45	278	658.7312	1433.45	1583.45 329	687.2452	1711.74	1861.74	380	715.593	1711.74	1861.74
228	631.1317	1433.45	1583.45	279	659.4794	1433.45	1583.45 330	687.3284	1711.74	1861.74	381	715.6761	1711.74	1861.74
229	632.1293	1433.45	1583.45	280	659.5626	1433.45	1583.45 331	687.9934	1711.74	1861.74	382	716.7568	1711.74	1861.74
230	632.2124	1433.45	1583.45	281	660.477	1433.45	1583.45 332	688.9079	1711.74	1861.74	383	716.8399	1711.74	1861.74
231	633.2931	1433.45	1583.45	282	661.0589	1433.45	1583.45 333	688.991	1711.74	1861.74	384	717.8375	1711.74	1861.74
232	633.3762	1433.45	1583.45	283	661.1421	1433.45	1583.45 334	689.9886	1711.74	1861.74	385	717.9206	1711.74	1861.74
233	634.3738	1433.45	1583.45	284	662.1396	1433.45	1583.45 335	690.0717	1711.74	1861.74	386	718.8351	1711.74	1861.74
234	634.457	1433.45	1583.45	285	662.2228	1433.45	1583.45 336	691.6512	1711.74	1861.74	387	719.417	1711.74	1861.74
235	635.4545	1433.45	1583.45	286	663.1372	1433.45	1583.45 337	691.7343	1711.74	1861.74	388	719.5001	1711.74	1861.74
236	635.5377	1433.45	1583.45	287	663.8022	1433.45	1583.45 338	692.7319	1711.74	1861.74	389	720.2483	1711.74	1861.74
237	636.4521	1433.45	1583.45	288	663.8854	1433.45	1583.45 339	692.815	1711.74	1861.74	390	721.0796	1711.74	1861.74
238	636.5352	1433.45	1583.45	289	664.6336	1433.45	1583.45 340	693.8126	1711.74	1861.74	391	721.1627	1711.74	1861.74
239	636.6184	1433.45	1583.45	290	665.4649	1433.45	1583.45 341	693.8957	1711.74	1861.74	392	722.1603	1711.74	1861.74
240	637.5328	1433.45	1583.45	291	665.548	1433.45	1583.45 342	694.8102	1711.74	1861.74	393	722.2434	1711.74	1861.74
241	638.1979	1433.45	1583.45	292	666.5456	1433.45	1583.45 343	695.4752	1711.74	1861.74	394	723.1579	1711.74	1861.74
242	638.281	1433.45	1583.45	293	666.6287	1433.45	1583.45 344	695.5583	1711.74	1861.74	395	723.8229	1711.74	1861.74
243	638.946	1433.45	1583.45	294	667.6263	1433.45	1583.45 345	696.5559	1711.74	1861.74	396	723.9061	1711.74	1861.74
244	639.7773	1433.45	1583.45	295	667.7094	1433.45	1583.45 346	696.6391	1711.74	1861.74	397	724.9036	1711.74	1861.74
245	639.8605	1433.45	1583.45	296	668.707	1433.45	1583.45 347	697.6366	1711.74	1861.74	398	724.9868	1711.74	1861.74
246	640.8581	1433.45	1583.45	297	670.0652	1705.1	1855.1 348	697.7198	1711.74	1861.74	399	725.9844	1711.74	1861.74
247	640.9412	1433.45	1583.45	298	671.0647	1705.1	1855.1 349	698.6342	1711.74	1861.74	400	726.0675	1711.74	1861.74
248	642.0219	1433.45	1583.45	299	669.8708	1706.92	1856.92 350	699.2993	1711.74	1861.74	401	726.8988	1711.74	1861.74
249	642.105	1433.45	1583.45	300	670.7853	1709.33	1859.33 351	699.3824	1711.74	1861.74	402	727.647	1711.74	1861.74
250	643.1026	1433.45	1583.45	301	671.4503	1710.53	1860.53 352	700.38	1711.74	1861.74	403	727.7301	1711.74	1861.74
251	643.1857	1433.45	1583.45	302	671.5334	1711.74	1861.74 353	700.4631	1711.74	1861.74	404	728.7277	1711.74	1861.74
252	644.1833	1433.45	1583.45	303	672.1985	1711.74	1861.74 354	701.4607	1711.74	1861.74	405	728.8108	1711.74	1861.74
253	644.2664	1433.45	1583.45	304	673.1129	1711.74	1861.74 355	701.5438	1711.74	1861.74	406	729.8084	1711.74	1861.74
254	645.1809	1433.45	1583.45	305	673.1961	1711.74	1861.74 356	702.5414	1711.74	1861.74	407	729.8915	1711.74	1861.74
255	645.8459	1433.45	1583.45	306	674.1936	1711.74	1861.74 357	702.6245	1711.74	1861.74	408	730.8891	1711.74	1861.74
256	645.9291	1433.45	1583.45	307	674.2768	1711.74	1861.74 358	703.6221	1711.74	1861.74	409	730.9722	1711.74	1861.74
257	646.9266	1433.45	1583.45	308	675.2743	1711.74	1861.74 359	703.7052	1711.74	1861.74	410	731.9698	1711.74	1861.74

400     70072     711.74     180.74     701.74     711.74     810.74 <th71.74< th="">     810.74</th71.74<>		Α	В	С		Α	В	с		Α	В	С		Α	В	С
101   1111/1   151.74   451.74   451.74   157.14	409	730.9722	1711.74	1861.74	460	759.2368	1711.74	1861.74	511	787.0857	1711.74	1861.74	562	8940.975	2071.26	2221.26
111   121.12   161.4   462   703.175   711.4   180.17 <t< td=""><td>410</td><td>731.9698</td><td>1711.74</td><td>1861.74</td><td>461</td><td>759.3199</td><td>1711.74</td><td>1861.74</td><td>512</td><td>787.1689</td><td>1711.74</td><td>1861.74</td><td>563</td><td>8941.888</td><td>2071.26</td><td>2221.26</td></t<>	410	731.9698	1711.74	1861.74	461	759.3199	1711.74	1861.74	512	787.1689	1711.74	1861.74	563	8941.888	2071.26	2221.26
12     12     12     161.7     461.7     463.7     783.248     711.74     163.7     783.248     711.74     163.7     783.248     711.74     163.7     783.248     711.74     163.7     783.248     711.74     163.7     753     711.74     163.7     753     711.74     163.7     753     873.44     773.20     711.74     163.7     753     873.45     771.70     773.70     711.74     163.7     760     873.45     771.70     773.70     711.74     163.7     760     873.45     771.70     773.70     771.74     163.7     760     873.45     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     873.14     771.70     771.70     771.70     771.70     771.70     771.70     771.70     771.70     771.70     771.70 <th77.70< th="">     771.70     771</th77.70<>	411	732.0529	1711.74	1861.74	462	760.3175	1711.74	1861.74	513	788.1665	1711.74	1861.74	564	8952.832	2071.26	2221.26
1313130.24171.14160.1446070.122171.14160.14510793.271171.14160.14561793.271171.14160.14561793.271171.14160.14561793.271171.14160.14561793.271171.14160.14561793.271171.14160.14561793.271171.14160.14561793.271171.14160.14561793.271171.14160.14570896.003271.26221.26171<7	412	732.9674	1711.74	1861.74	463	760.4006	1711.74	1861.74	514	788.2496	1711.74	1861.74	565	8953.744	2071.26	2221.26
14     73.7155     711.714     180.14     460     78.439     711.74     180.14     68     985.601     207.120     2221.26       15     74.731     171.14     180.14     460     977.485     717.14     180.14     160     977.485     707.20     221.76       16     73.738     171.14     180.14     460     793.496     171.14     180.14     470     783.696     171.14     180.14     470     783.696     171.14     180.14     470     783.695     171.14     180.14     470     783.695     171.14     180.14     470     783.695     171.14     180.14     520     784.920     171.14     180.14     470     783.895     171.14     180.14     520     784.920     171.14     180.14     520     784.920     171.14     180.14     520     784.920     171.14     180.14     520     784.920     171.14     180.14     520     771.14     180.14     570     902.580     907.502     171.14     180.14     570	413	733.6324	1711.74	1861.74	464	761.232	1711.74	1861.74	515	789.2472	1711.74	1861.74	566	8964.689	2071.26	2221.26
15   721.12   171.14   181.14   480.14	414	733.7155	1711.74	1861.74	465	761.9801	1711.74	1861.74	516	789.3303	1711.74	1861.74	567	8965.601	2071.26	2221.26
16   74.7   75.793   711.74   1861.74   67.40   71.74   1861.74   76.7   75.793   711.74   1861.74   67   75.793   711.74   1861.74   67   75.793   711.74   1861.74   67   75.793   711.74   1861.74   67   75.793   711.74   1861.74   70   75.793   711.74   1861.74   70   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   75.793   711.74   1861.74   77   76.793   711.74   1861.74   76   75.793   711.74   1861.74   76   75.793   711.74   1861.74   76   75.793   711.74  1	415	734.7131	1711.74	1861.74	466	762.0633	1711.74	1861.74	517	790.3279	1711.74	1861.74	568	8976.546	2071.26	2221.26
17     171.7     181.74     681.44     671.74     181.74	416	734.7963	1711.74	1861.74	467	763.0608	1711.74	1861.74	518	790.411	1711.74	1861.74	569	89 <b>77.4</b> 58	2071.26	2221.26
141     273.877     1711.74     1861.74     674.138     774.138     1711.74     1861.74     771     771.174     1861.74     771     771.174     1861.74     771     771.174     1861.74     771     771.174     1861.74     771     771.174     1861.74     771     775.385     171.174     1861.74     77     775.385     171.174     1861.74     77     778.387     171.174     1861.74     77     778.385     171.174     1861.74     77     778.385     171.174     1861.74     77     778.385     171.174     1861.74     77     778.385     171.174     1861.74     77     708.385     171.174     1861.74     77     708.385     171.174     1861.74     77     708.385     171.174     1861.74     78     77     708.385     171.174     1861.74     78     790.385     171.14     1861.74     78     790.385     171.14     1861.74     78     790.385     171.14     1861.74     78     790.395     171.14     1861.74     78     990.361 <td>417</td> <td>735.7938</td> <td>1711.74</td> <td>1861.74</td> <td>468</td> <td>763.144</td> <td>1711.74</td> <td>1861.74</td> <td>519</td> <td>791.4086</td> <td>1711.74</td> <td>1861.74</td> <td>570</td> <td>8988.403</td> <td>2071.26</td> <td>2221.26</td>	417	735.7938	1711.74	1861.74	468	763.144	1711.74	1861.74	519	791.4086	1711.74	1861.74	570	8988.403	2071.26	2221.26
19     19     267.083     1711.74     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     171     1861.74     173     1871.74     1861.74     173     1871.74     1861.74     173     1871.74     1861.74     173     1971.84     1861.74     173     1971.84     1861.74     173     1971.84     1861.74     173	418	735.877	1711.74	1861.74	469	764.1415	1711.74	1861.74	520	791.4917	1711.74	1861.74	571	8989.315	2071.26	2221.26
420     77.4564     711.47     186.1.4     72     78.7564     711.47     186.1.4     72     78.7564     711.47     186.1.4     72     78.7564     711.47     186.1.4     72     78.7584     711.41     186.1.4     72     78.7584     711.41     186.1.4     72     75.858     711.4     186.1.4     72     79.7584     71.1.4     186.1.4     74     76.3684     711.4     186.1.4     76     98.758     71.2.2     221.28       42     79.5010     711.4     186.1.4     75     76.7549     71.1.4     186.1.4     75     79.757     71.1.4     186.1.4     78     98.7594     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78     99.7574     71.1.4     186.1.4     78.7574     71.1.4	419	736.7083	1711.74	1861.74	470	764.2247	1711.74	1861.74	521	792.4893	1711.74	1861.74	572	9000.26	2071.26	2221.26
121   373.536   171.14   186.14   472   766.3661   171.47   186.14   52   794.159   171.14   1861.4   57   903.02   207.26   2221.26     423   78.6.03   171.14   1861.4   473   766.3661   171.14   1861.4   52   794.139   171.14   1861.4   57   903.02   207.26   221.26     424   79.6179   171.14   1861.4   47   766.3661   171.14   1861.4   52   795.317   171.14   1861.4   57   905.78   207.26   221.26     426   70.6701   171.14   1861.4   470   766.3660   171.14   1861.4   52   795.317   171.14   1861.4   50   964.476   711.4   1861.4   50   964.476   711.4   1861.4   52   796.479   711.4   1861.4   50   964.476   711.6   50   507.16   221.26   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.4   471.	420	737.4564	1711.74	1861.74	471	765.3054	1711.74	1861.74	522	793.0712	1711.74	1861.74	573	9001.172	2071.26	2221.26
422     78.3372     171.17     1861.74     77     784.23     784.23     784.23     711.74     1861.74     47     766.462     171.17     1861.74     52     794.23     711.14     1861.74     57     902.38     207.26     2221.26       42     793.701     171.174     1861.74     78     785.387     171.14     1861.74     57     903.584     2071.26     2221.26       42     793.701     171.174     1861.74     78     785.387     171.14     1861.74     57     903.584     2071.26     2221.26       42     74.0731     171.174     1861.74     470     785.387     171.14     1861.74     50     903.582     911.24     1861.74     50     901.26     221.26       42     741.571     171.14     1861.74     430     797.471     171.14     1861.74     53     797.471     171.14     1861.74     53     906.592     2071.26     221.26       42     741.54     187.44     770.593     171.14 <t< td=""><td>421</td><td>737.5396</td><td>1711.74</td><td>1861.74</td><td>472</td><td>765.3885</td><td>1711.74</td><td>1861.74</td><td>523</td><td>793.1543</td><td>1711.74</td><td>1861.74</td><td>574</td><td>9012.117</td><td>2071.26</td><td>2221.26</td></t<>	421	737.5396	1711.74	1861.74	472	765.3885	1711.74	1861.74	523	793.1543	1711.74	1861.74	574	9012.117	2071.26	2221.26
423     784.203     1711.4     1861.74     474     767.6692     171.74     1861.74     77     767.668     171.74     1861.74     77     767.568     171.74     1861.74     77     767.568     171.74     1861.74     77     767.568     171.74     1861.74     77     767.576     777.568     171.74     1861.74     77     767.576     777.578     171.74     1861.74     77     767.377     771.74     1861.74     78     767.376     771.74     1861.74     78     767.376     771.74     1861.74     78     766.776     711.74     1861.74     78     766.776     711.74     1861.74     78     766.776     711.74     1861.74     78     766.776     711.74     1861.74     78     766.776     711.74     1861.74     78     766.776     711.74     1861.74     78     766.776     711.74     1861.74     78     785.78     171.14     1861.74     78     785.78     171.14     1861.74     78     796.756.7     711.74     1861.74	422	738.5372	1711.74	1861.74	473	766.3861	1711.74	1861.74	524	794.1519	1711.74	1861.74	575	9013.029	2071.26	2221.26
44     47     93.6179     171.17     186.17     57     902.788     207.28     221.22       425     73.701     171.17     186.17     57     903.742     2071.28     221.22       426     70.78.17     171.17     1861.74     57     903.742     2071.26     221.22       427     70.78.17     171.17     1861.74     57     903.764     2071.26     221.22       428     711.74     1861.74     47     766.547     1711.74     1861.74     50     903.764     2071.26     221.22       420     711.74     1861.74     430     771.74     1861.74     50     771.74     1861.74     50     903.564     907.33     2071.26     221.22       431     744.993     711.74     1861.74     50     771.74     1861.74     50     903.56     171.74     1861.74     50     903.56     2071.26     221.22       433     744.526     711.74     1861.74     57     903.52     903.50     171.174	423	738.6203	1711.74	1861.74	474	766.4692	1711.74	1861.74	525	794.235	1711.74	1861.74	576	9024.885	2071.26	2221.26
425     739.701     171.174     1861.74     77     783.701     711.74     1861.74     77     783.702     711.74     1861.74     77     783.703     711.74     1861.74     77     783.703     711.74     1861.74     78     603.763     2071.26     2221.26       742     740.7817     711.74     1861.74     78     785.783     711.74     1861.74     58     904.559     9071.26     2221.26       742     740.782     711.74     1861.74     78     787.703     711.74     1861.74     58     904.511     2071.26     2221.26       743     743.4203     711.74     1861.74     78     777.72     711.74     1861.74     53     798.578     711.74     1861.74     53     797.21     711.74     1861.74     53     797.21     711.74     1861.74     53     797.21     711.74     1861.74     53     797.21     711.74     1861.74     53     797.21     711.74     1861.74     53     797.21     711.14     1861.74	424	739.6179	1711.74	1861.74	475	767.4668	1711.74	1861.74	526	795.2326	1711.74	1861.74	577	9025.798	2071.26	2221.26
426     740.6986     711.74     1861.74     77     768.5475     711.74     1861.74     77     768.5475     711.74     1861.74     77     768.5475     711.74     1861.74     75     907.556     907.556     907.556     907.556     907.556     907.556     907.557     1711.74     1861.74     550     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.556     907.256     907.256     907.252     907.257     907.257     907.256     907.257     907.256     907.257     907.256     907.257     907.256     907.257     907.267     9	425	739.701	1711.74	1861.74	476	767.5499	1711.74	1861.74	527	795.3157	1711.74	1861.74	578	9036.742	2071.26	2221.26
427   740.7817   1711.74   1861.74   47   768.6306   1711.74   1861.74   572   756.4736   1711.74   1861.74   481   940.592   971.26   2221.26     428   711.74   1861.74   407   759.6222   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.95   1711.74   1861.74   481   757.975   1711.74   1861.74   481   757.975   1711.74   1861.74   481   757.975   1711.74   1861.74   481   757.975   1711.74   1861.74   481   797.975   1711.74   1861.74   481   797.975   1711.74   1861.74   481   797.975   1711.74   1861.74   481   171.97   1861.74   481   171.97   1861.74   481   171.97   1861.74   481   171.97   1861.74   481	426	740.6986	1711.74	1861.74	477	768.5475	1711.74	1861.74	528	796.3964	1711.74	1861.74	579	9037.654	2071.26	2221.26
422   741.793   1711.74   1861.74   630   777.471   1711.74   1861.74   631   707.473   1711.74   1861.74   631   707.503   7111.74   1861.74   631   707.503   7111.74   1861.74   631   707.503   7111.74   1861.74   631   707.503   7111.74   1861.74   631   707.503   7111.74   1861.74   631   707.503   7111.74   1861.74   631   707.503   7111.74   1861.74   631   737.503   7111.74   1861.74   631   737.503   7111.74   1861.74   631   737.573   7111.74   1861.74   635   797.271   711.74   1861.74   635   797.271   711.74   1861.74   635   797.273   711.74   1861.74   631   7391.297   2045.92   219.52   589   906.077   071.26   2221.26     433   746.64   711.74   1861.74   631   734.93   739.297   2045.92   219.52   589   906.077   071.26   2221.26     433   746.64   711.74   1861.74   631   934.91 <td>427</td> <td>740.7817</td> <td>1711.74</td> <td>1861.74</td> <td>478</td> <td>768.6306</td> <td>1711.74</td> <td>1861.74</td> <td>529</td> <td>796.4796</td> <td>1711.74</td> <td>1861.74</td> <td>580</td> <td>9048.599</td> <td>2071.26</td> <td>2221.26</td>	427	740.7817	1711.74	1861.74	478	768.6306	1711.74	1861.74	529	796.4796	1711.74	1861.74	580	9048.599	2071.26	2221.26
429     741.8624     711.74     1861.74     480     769.7113     171.74     1861.74     521     785.573     171.1.74     1861.74     522     786.573     171.1.74     1861.74     522     786.573     171.1.74     1861.74     523     786.573     171.1.74     1861.74     523     786.573     171.1.74     1861.74     523     796.3861     171.1.74     1861.74     523     796.3861     171.1.74     1861.74     533     796.3861     171.1.74     1861.74     535     796.3861     171.1.74     1861.74     536     796.7313     711.1.74     1861.74     536     796.7313     711.1.74     1861.74     536     796.7313     711.1.74     1861.74     536     796.7313     711.1.74     1861.74     536     991.663     2019.53     539     906.532     2071.26     2221.26       433     746.684     711.1.74     1861.74     487     740.942     171.1.74     1861.74     53     932.05     201.55     539     906.539     2071.26     2221.26 <td< td=""><td>428</td><td>741.7793</td><td>1711.74</td><td>1861.74</td><td>479</td><td>769.6282</td><td>1711.74</td><td>1861.74</td><td>530</td><td>797.4771</td><td>1711.74</td><td>1861.74</td><td>581</td><td>9049.511</td><td>2071.26</td><td>2221.26</td></td<>	428	741.7793	1711.74	1861.74	479	769.6282	1711.74	1861.74	530	797.4771	1711.74	1861.74	581	9049.511	2071.26	2221.26
430   742.6937   711.74   1861.74   481   700.7089   171.74   1861.74   532   798.578   171.174   1861.74   533   0971.31   2071.26   2221.26     433   743.425   711.174   1861.74   423   770.795   171.174   1861.74   533   798.536   1711.74   1861.74   630   9073.253   070.126   2221.26     433   744.525   1711.74   1861.74   487   77.8930   1711.74   1861.74   537   997.217   1711.74   1861.74   537   9985.082   2071.26   2221.26   421.56     434   746.684   1711.74   1861.74   487   77.9353   1711.74   1861.74   538   932.09   2047.35   2197.85   539   906.027   2071.26   2221.26     437   746.684   1711.74   1861.74   489   77.1193   1711.74   1861.74   539   910.695   2070.59   530   910.783   2071.26   2221.26     433   746.684   1711.74   1861.74   489   77.5198   1711.74   1861.74	429	741.8624	1711.74	1861.74	480	769.7113	1711.74	1861.74	531	797.5603	1711.74	1861.74	582	9060.456	2071.26	2221.26
431   733.4419   711.74   1861.74   482   770.792   711.74   1861.74   533   798.641   711.74   1861.74   586   9072.313   2071.26   2221.26     432   743.525   1711.74   1861.74   483   771.872   1711.74   1861.74   535   797.277   1711.74   1861.74   586   9073.13   2071.26   2221.26     433   744.5226   1711.74   1861.74   486   772.873   1711.74   1861.74   536   907.133   1711.74   1861.74   586   9085.082   2071.26   2221.26     435   745.664   1711.74   1861.74   486   774.7333   1711.74   1861.74   539   930.592   2045.2   2195.85   590   9107.833   2071.26   2221.26     433   746.564   1711.74   1861.74   490   775.149   1711.74   1861.74   54   9134.012   200.59   590   910.783   2071.26   2221.26     443   746.561   1711.74   1861.74   490   775.149   1711.74   1861.74   54 <td>430</td> <td>742.6937</td> <td>1711.74</td> <td>1861.74</td> <td>481</td> <td>770.7089</td> <td>1711.74</td> <td>1861.74</td> <td>532</td> <td>798.5578</td> <td>1711.74</td> <td>1861.74</td> <td>583</td> <td>9061.368</td> <td>2071.26</td> <td>2221.26</td>	430	742.6937	1711.74	1861.74	481	770.7089	1711.74	1861.74	532	798.5578	1711.74	1861.74	583	9061.368	2071.26	2221.26
432   743.525   1711.74   1861.74   483   771.7896   1711.74   1861.74   535   797.717   1711.74   1861.74   586   9073.225   2071.26   2221.26     433   744.5025   1711.74   1861.74   485   772.8703   1711.74   1861.74   536   907.123   1711.74   1861.74   537   985.082   2071.26   2221.26     434   744.6077   1711.74   1861.74   485   772.8703   1711.74   1861.74   537   9931.277   2046.52   2195.25   588   9096.039   2071.26   2221.26     435   745.684   1711.74   1861.74   487   774.0342   1711.74   1861.74   539   9910.582   2195.58   590   9107.83   2071.26   2221.26     437   746.684   1711.74   1861.74   489   775.1149   1711.74   1861.74   549   914.011   200.59   591   910.745   221.26     444   748.498   1711.74   1861.74   497   772.763   1711.74   1861.74   549   9134.212   2	431	743.4419	1711.74	1861.74	482	770.792	1711.74	1861.74	533	798.641	1711.74	1861.74	584	9072.313	2071.26	2221.26
433   744.5226   1711.74   1861.74   484   771.872   1711.74   1861.74   535   799.717   1711.74   1861.74   536   908.17   2071.26   2221.26     434   744.6057   1711.74   1861.74   485   772.9535   1711.74   1861.74   536   800.713   2119.74   1861.74   586   909.027   2071.26   2221.26     435   745.684   1711.74   1861.74   486   772.9535   1711.74   1861.74   539   9328.09   2047.36   2197.36   909.6939   2071.26   2221.26     437   746.684   1711.74   1861.74   490   775.198   1711.74   1861.74   540   9134.011   2050.59   2200.59   59   910.683   2071.26   2221.26     433   747.6816   1711.74   1861.74   490   775.198   1711.74   1861.74   540   9134.012   2050.59   2200.59   59   910.682   2071.26   2221.26     44   749.048   1711.74   1861.74   491   775.195   1711.74   1861.74 <td< td=""><td>432</td><td>743.525</td><td>1711.74</td><td>1861.74</td><td>483</td><td>771.7896</td><td>1711.74</td><td>1861.74</td><td>534</td><td>799.6386</td><td>1711.74</td><td>1861.74</td><td>585</td><td>9073.225</td><td>2071.26</td><td>2221.26</td></td<>	432	743.525	1711.74	1861.74	483	771.7896	1711.74	1861.74	534	799.6386	1711.74	1861.74	585	9073.225	2071.26	2221.26
434   744.6057   711.74   1861.74   485   772.8703   1711.74   1861.74   537   9391.297   2045.92   216.52   588   9096.027   2071.26   2221.26     435   745.6864   1711.74   1861.74   487   774.0342   1711.74   1861.74   538   9328.09   2047.36   219.58   9096.939   2071.26   2221.26     436   745.6864   1711.74   1861.74   487   774.0342   1711.74   1861.74   538   930.695   2047.36   219.58   9096.939   2071.26   2221.26     438   746.7671   1711.74   1861.74   497   775.118   1711.74   1861.74   540   914.011   2050.59   2200.59   591   910.632   2071.26   2221.26     440   748.346   1711.74   1861.74   541   9147.252   2050.59   220.59   594   913.421   2071.26   2221.26     442   749.048   171.74   1861.74   54   916.322   2050.59   2200.59   595   913.421   2071.26   2221.26 <t< td=""><td>433</td><td>744.5226</td><td>1711.74</td><td>1861.74</td><td>484</td><td>771.8727</td><td>1711.74</td><td>1861.74</td><td>535</td><td>799.7217</td><td>1711.74</td><td>1861.74</td><td>586</td><td>9084.17</td><td>2071.26</td><td>2221.26</td></t<>	433	744.5226	1711.74	1861.74	484	771.8727	1711.74	1861.74	535	799.7217	1711.74	1861.74	586	9084.17	2071.26	2221.26
435   745.603   171.74   1861.74   486   772.933   171.74   1861.74   537   9391.297   2046.92   2197.36   588   906.027   2071.26   2221.26     436   745.684   1711.74   1861.74   487   774.0342   1711.74   1861.74   539   910.695   2047.36   2197.36   589   906.037   2071.26   2221.26     437   745.684   1711.74   1861.74   449   775.117   1711.74   1861.74   539   910.695   2005.95   2200.59   599   910.672   2211.26   2212.26     439   747.6816   1711.74   1861.74   490   775.198   1711.74   1861.74   540   9134.057   2005.95   2200.59   599   910.652   2071.26   2221.26     440   748.498   1711.74   1861.74   491   775.078   1711.74   1861.74   549   914.250   2205.59   599   9134.21   2071.26   2221.26     443   750.092   1711.74   1861.74   549   9174.32   2050.59   2000.59   2000.	434	744.6057	1711.74	1861.74	485	772.8703	1711.74	1861.74	536	800.7193	1711.74	1861.74	587	9085.082	2071.26	2221.26
436   745.6864   1711.74   1861.74   487   774.0342   1711.74   1861.74   538   9328.09   2047.36   2197.36   539   9096.39   2071.26   2221.26     437   746.684   1711.74   1861.74   489   775.1149   1711.74   1861.74   539   9190.656   2049.58   2199.58   509   9107.833   2071.26   2221.26     438   746.7671   1711.74   1861.74   490   775.1149   1711.74   1861.74   540   9134.051   2005.59   2200.59   533   910.763   2071.26   2221.26     440   748.4288   1711.74   1861.74   491   777.753   1711.74   1861.74   543   9147.52   2050.59   2200.59   59   913.412   071.26   2212.26     441   748.4288   1711.74   1861.74   491   1711.74   1861.74   491   9147.52   2050.59   200.59   59   913.412   071.26   2212.26     442   750.092   1711.74   1861.74   495   9147.13   1711.74   1861.74   54	435	745.6033	1711.74	1861.74	486	772.9535	1711.74	1861.74	537	9391.297	2046.92	2196.92	588	9096.027	2071.26	2221.26
437   746.684   1711.74   1861.74   488   774.173   1711.74   1861.74   939   910.696   2049.58   219.58   590   9107.883   2071.26   2221.26     438   766.761   1711.74   1861.74   490   775.188   1711.74   1861.74   490   913.4011   2050.59   2200.59   520   9119.74   2071.26   2221.26     440   748.3466   1711.74   1861.74   490   775.198   1711.74   1861.74   540   914.305   2005.59   2200.59   520   9119.74   2071.26   2221.26     441   748.3468   1711.74   1861.74   492   776.2787   1711.74   1861.74   543   9147.252   200.59   520   591   913.421   2071.26   2221.26     443   750.093   1711.74   1861.74   494   777.353   1711.74   1861.74   545   910.422   200.59   520   591   914.363   2071.26   2221.26     444   750.093   1711.74   1861.74   491   1761.74   1861.74   549	436	745.6864	1711.74	1861.74	487	774.0342	1711.74	1861.74	538	9328.09	2047.36	2197.36	589	9096.939	2071.26	2221.26
438   746,7671   1711.74   1861.74   489   775.118   1711.74   1861.74   540   9134.011   2050.59   2200.59   591   9108.795   2071.26   2221.26     439   747.6816   1711.74   1861.74   491   775.198   1711.74   1861.74   542   9134.057   2000.59   592   911.9.74   2071.26   2221.26     440   748.4288   1711.74   1861.74   491   776.155   1711.74   1861.74   542   9143.052   2000.59   594   9132.012   2071.26   2221.26     42   749.0948   1711.74   1861.74   493   777.573   1711.74   1861.74   545   9160.492   2050.59   2200.59   595   9143.36   2071.26   2221.26     444   750.092   1711.74   1861.74   495   778.357   1711.74   1861.74   546   9171.81   2050.59   2000.59   595   9143.36   2071.26   2221.26     444   750.092   1711.74   1861.74   496   778.357   1711.74   1861.74   549   9	437	746.684	1711.74	1861.74	488	774.1173	1711.74	1861.74	539	9190.696	2049.58	2199.58	590	9107.883	2071.26	2221.26
439   747.6816   711.74   1861.74   917   1861.74   914   913.97   2050.59   2200.59   592   9119.74   2071.26   2221.26     440   748.3466   1711.74   1861.74   914   76.195   1711.74   1861.74   542   914.325   2050.59   2200.59   593   9120.522   2071.26   2221.26     441   748.3466   1711.74   1861.74   543   9147.52   2050.59   2200.59   594   9132.50   2071.26   2221.26     442   750.093   1711.74   1861.74   545   916.526   2200.59   596   9143.32   2071.26   2221.26     443   750.0924   1711.74   1861.74   545   916.325   2200.59   596   9143.52   2071.26   2221.26     444   750.0924   1711.74   1861.74   545   916.492   2050.59   2200.59   599   915.713   2071.26   2221.26     444   751.071   1711.74   1861.74   545   918.312   2050.59   2200.59   599   915.713   2071.26	438	746.7671	1711.74	1861.74	489	775.1149	1711.74	1861.74	540	9134.011	2050.59	2200.59	591	9108.795	2071.26	2221.26
440   748.3466   1711.74   1861.74   917   1861.74   1861.74   9142   9146.306   2050.59   2200.59   593   9120.652   2071.26   2221.26     441   748.4298   1711.74   1861.74   492   776.2787   1711.74   1861.74   493   9147.252   2050.59   2200.59   595   9132.60   2071.26   2221.26     442   749.0948   1711.74   1861.74   493   777.3759   1711.74   1861.74   545   9150.55   200.59   200.59   597   9143.66   2071.26   2221.26     443   750.092   1711.74   1861.74   495   778.340   1711.74   1861.74   546   9171.81   2050.59   2200.59   597   9145.375   2071.26   2221.26     444   750.094   1711.74   1861.74   548   9184.36   2050.59   2200.59   599   9157.135   2071.26   2221.26     444   752.044   1711.74   1861.74   549   9173.537   2063.42   2213.42   600   9168.08   2071.26   2221.26 <td>439</td> <td>747.6816</td> <td>1711.74</td> <td>1861.74</td> <td>490</td> <td>775.198</td> <td>1711.74</td> <td>1861.74</td> <td>541</td> <td>9134.957</td> <td>2050.59</td> <td>2200.59</td> <td>592</td> <td>9119.74</td> <td>2071.26</td> <td>2221.26</td>	439	747.6816	1711.74	1861.74	490	775.198	1711.74	1861.74	541	9134.957	2050.59	2200.59	592	9119.74	2071.26	2221.26
444   748.4298   1711.74   1861.74   92   776.2787   1711.74   1861.74   543   9147.252   2050.59   2200.59   594   9132.509   2071.26   2221.26     442   749.0948   1711.74   1861.74   493   777.2763   1711.74   1861.74   545   9160.492   2050.59   2200.59   595   9133.421   2071.26   2221.26     444   750.0924   1711.74   1861.74   495   778.357   1711.74   1861.74   546   9171.81   2050.59   2200.59   596   9145.278   2071.26   2221.26     445   751.079   1711.74   1861.74   496   778.377   1711.74   1861.74   546   9173.573   2050.59   200.59   9157.135   2071.26   2221.26     446   752.0764   1711.74   1861.74   497   779.3277   1711.74   1861.74   550   9184.812   2050.59   201.55   599   9157.135   2071.26   2221.26     444   752.7526   1711.74   1861.74   571   918.62   201.45   201.45	440	748.3466	1711.74	1861.74	491	776.1956	1711.74	1861.74	542	9146.306	2050.59	2200.59	593	9120.652	2071.26	2221.26
442   749.0948   1711.74   1861.74   493   777.2763   1711.74   1861.74   544   9159.546   2050.59   2200.59   595   9133.421   2071.26   2221.26     443   750.0093   1711.74   1861.74   494   777.359   1711.74   1861.74   545   9160.492   2050.59   2200.59   596   9143.362   2071.26   2221.26     444   750.0924   1711.74   1861.74   496   778.357   1711.74   1861.74   546   9171.841   2050.59   2200.59   598   9156.22   2071.26   2221.26     445   751.09   1711.74   1861.74   497   779.377   1711.74   1861.74   549   9173.537   2050.59   2200.59   599   9157.135   2071.26   2221.26     444   752.044   1711.74   1861.74   570   918.765   2050.59   2063.42   2213.42   600   9168.92   2071.26   2221.26     449   752.756   1711.74   1861.74   551   918.765   2051.41   2217.46   603   918.949   <	441	748.4298	1711.74	1861.74	492	776.2787	1711.74	1861.74	543	9147.252	2050.59	2200.59	594	9132.509	2071.26	2221.26
444   750.0093   1711.74   1861.74   494   777.3594   1711.74   1861.74   545   9160.492   2050.59   2200.59   596   9144.36   2071.26   2221.26     444   750.0924   1711.74   1861.74   495   778.357   1711.74   1861.74   546   9171.841   2050.59   2200.59   597   9145.278   2071.26   2221.26     446   751.09   1711.74   1861.74   497   779.4377   1711.74   1861.74   548   9184.356   2050.59   2200.59   599   9157.135   2071.26   2221.26     447   752.0044   1711.74   1861.74   499   780.508   1711.74   1861.74   549   9173.57   2063.42   2213.42   600   9168.08   2071.26   2221.26     449   752.8357   1711.74   1861.74   507   918.767   2063.42   2213.42   601   9168.98   2071.26   2221.26     450   753.8333   1711.74   1861.74   552   905.95   2067.48   2213.42   603   918.849   2071.26   <	442	749.0948	1711.74	1861.74	493	777.2763	1711.74	1861.74	544	9159.546	2050.59	2200.59	595	9133.421	2071.26	2221.26
444   750.0924   1711.74   1861.74   978.357   1711.74   1861.74   546   9171.841   2050.59   2200.59   597   9145.278   2071.26   2221.26     445   751.09   1711.74   1861.74   496   778.400   1711.74   1861.74   547   9172.787   2050.59   2200.59   599   9155.22   2071.26   2221.26     446   751.1731   1711.74   1861.74   497   779.377   1711.74   1861.74   548   9184.136   2050.59   2200.59   9157.135   2071.26   2221.26     447   752.0044   1711.74   1861.74   499   779.5208   1711.74   1861.74   549   9173.537   2063.42   2213.42   600   9168.08   2071.26   2221.26     448   752.7526   1711.74   1861.74   500   780.615   1711.74   1861.74   551   9118.766   2065.41   2217.46   600   9168.08   2071.26   2221.26     450   753.39164   1711.74   1861.74   565   8940.342   2069.07   2219.07   604	443	750.0093	1711.74	1861.74	494	777.3594	1711.74	1861.74	545	9160.492	2050.59	2200.59	596	9144.366	2071.26	2221.26
445   751.09   1711.74   1861.74   978.400   1711.74   1861.74   947   9172.787   2050.59   2200.59   598   9156.223   2071.26   2221.26     446   751.1731   1711.74   1861.74   497   779.4377   1711.74   1861.74   548   9184.136   2050.59   2200.59   599   9157.135   2071.26   2221.26     447   752.004   1711.74   1861.74   499   779.5208   1711.74   1861.74   550   9184.871   2063.42   2213.42   600   9168.08   2071.26   2221.26     448   752.7526   1711.74   1861.74   500   780.6015   1711.74   1861.74   550   9184.871   2063.42   2213.42   600   9168.08   2071.26   2221.26     449   752.8357   1711.74   1861.74   501   781.591   1711.74   1861.74   551   9118.766   2065.41   221.48   603   9180.849   2071.26   2221.26     451   753.8333   1711.74   1861.74   551   8916.52   2069.07   221.907	444	750.0924	1711.74	1861.74	495	778.357	1711.74	1861.74	546	9171.841	2050.59	2200.59	597	9145.278	2071.26	2221.26
446   751.1731   1711.74   1861.74   497   779.4377   1711.74   1861.74   548   9184.136   2050.59   2200.59   599   9157.135   2071.26   2221.26     447   752.0044   1711.74   1861.74   498   779.5208   1711.74   1861.74   550   9184.871   2063.42   2213.22   600   9168.08   2071.26   2221.26     448   752.7526   1711.74   1861.74   499   780.5184   1711.74   1861.74   550   9184.871   2063.42   2213.42   600   9168.08   2071.26   2221.26     449   752.8357   1711.74   1861.74   500   780.6015   1711.74   1861.74   551   9118.766   2065.41   2211.48   600   9180.849   2071.26   2221.26     450   753.8333   1711.74   1861.74   553   8940.342   2069.07   2219.07   604   9191.793   2071.26   2221.26     453   755.4128   1711.74   1861.74   556   893.548   2071.26   2221.26   606   9203.65   2071.26	445	751.09	1711.74	1861.74	496	778.4401	1711.74	1861.74	547	9172.787	2050.59	2200.59	598	9156.223	2071.26	2221.26
447   752.004   1711.74   1861.74   498   779.5208   1711.74   1861.74   499   973.537   2063.42   2213.42   600   9168.08   2071.26   2221.26     448   752.7526   1711.74   1861.74   499   780.5184   1711.74   1861.74   50   9184.871   2063.42   2213.42   600   9168.08   2071.26   2221.26     449   752.8357   1711.74   1861.74   500   780.6015   1711.74   1861.74   551   9118.766   2065.41   2211.42   600   9168.08   2071.26   2221.26     450   753.8333   1711.74   1861.74   501   781.5991   1711.74   1861.74   552   9069.059   2067.48   2217.48   603   9180.849   2071.26   2221.26     451   753.9164   1711.74   1861.74   553   8940.342   2069.07   2219.07   604   9191.793   2071.26   2221.26   605   912.05   2071.26   221.26   606   9203.65   2071.26   2221.26   605   912.05   7071.26   2221.26	446	751.1731	1711.74	1861.74	497	779.4377	1711.74	1861.74	548	9184.136	2050.59	2200.59	599	9157.135	2071.26	2221.26
448   752.7526   1711.74   1861.74   499   780.5184   1711.74   1861.74   50   9184.871   2063.42   2213.42   601   9168.992   2071.26   2221.26     449   752.8357   1711.74   1861.74   50   780.6015   1711.74   1861.74   551   9118.766   2065.41   2215.41   602   9179.937   2071.26   2221.26     450   753.8333   1711.74   1861.74   501   781.5991   1711.74   1861.74   552   9069.059   2067.48   2217.48   603   918.0849   2071.26   2221.26     451   753.9164   1711.74   1861.74   502   781.682   1711.74   1861.74   553   8940.342   2069.07   2219.07   604   9191.793   2071.26   2221.26     453   755.4128   1711.74   1861.74   503   782.7629   1711.74   1861.74   555   893.548   2071.26   2221.26   606   9203.65   2071.26   2221.26   455     453   755.4285   1711.74   1861.74   506   783.893	447	752.0044	1711.74	1861.74	498	779.5208	1711.74	1861.74	549	9173.537	2063.42	2213.42	600	9168.08	2071.26	2221.26
449   752.8357   1711.74   1861.74   500   780.6015   1711.74   1861.74   51   9118.766   2065.41   2215.41   602   9179.937   2071.26   2221.26     450   753.8333   1711.74   1861.74   501   781.5991   1711.74   1861.74   552   9069.059   2067.48   2217.48   603   918.849   2071.26   2221.26     451   753.9164   1711.74   1861.74   502   781.692   1711.74   1861.74   553   8940.342   2069.07   2219.07   604   9191.793   2071.26   2221.26     452   754.8309   1711.74   1861.74   503   782.7629   1711.74   1861.74   555   893.548   2071.26   2221.26   606   9192.705   2071.26   2221.26     453   755.4128   1711.74   1861.74   505   783.8436   1711.74   1861.74   556   8904.493   2071.26   2221.26   606   920.65   2071.26   2221.26   607   9204.562   2071.26   2221.26   605   9204.562   2071.26   2221.26 <td>448</td> <td>752.7526</td> <td>1711.74</td> <td>1861.74</td> <td>499</td> <td>780.5184</td> <td>1711.74</td> <td>1861.74</td> <td>550</td> <td>9184.871</td> <td>2063.42</td> <td>2213.42</td> <td>601</td> <td>9168.992</td> <td>2071.26</td> <td>2221.26</td>	448	752.7526	1711.74	1861.74	499	780.5184	1711.74	1861.74	550	9184.871	2063.42	2213.42	601	9168.992	2071.26	2221.26
450   753.8333   1711.74   1861.74   501   781.5991   1711.74   1861.74   552   9069.059   2067.48   2217.48   603   9180.849   2071.26   2221.26     451   753.9164   1711.74   1861.74   502   781.6822   1711.74   1861.74   503   8940.342   2069.07   2219.07   604   9191.793   2071.26   2221.26     452   754.8309   1711.74   1861.74   503   782.7629   1711.74   1861.74   555   893.548   2071.26   2219.07   605   9192.705   2071.26   2221.26     453   755.4128   1711.74   1861.74   504   783.8436   1711.74   1861.74   555   8893.548   2071.26   2221.26   606   9203.65   2071.26   2221.26     455   755.4766   1711.74   1861.74   506   783.8436   1711.74   1861.74   557   8905.405   2071.26   2221.26   606   9203.65   2071.26   2221.26   607   9204.562   2071.26   2221.26   607   9204.562   2071.26   2221.26	449	752.8357	1711.74	1861.74	500	780.6015	1711.74	1861.74	551	9118.766	2065.41	2215.41	602	9179.937	2071.26	2221.26
451   753.9164   1711.74   1861.74   502   781.6822   1711.74   1861.74   553   8940.342   2069.07   2219.07   604   9191.793   2071.26   2221.26     452   754.8309   1711.74   1861.74   503   782.7629   1711.74   1861.74   555   893.548   2071.26   2219.07   605   9192.705   2071.26   2221.26     453   755.4128   1711.74   1861.74   504   782.7629   1711.74   1861.74   555   8893.548   2071.26   2221.26   606   9203.65   2071.26   2221.26     454   755.4259   1711.74   1861.74   505   783.8436   1711.74   1861.74   556   8904.493   2071.26   2221.26   606   9203.65   2071.26   2221.26     455   756.576   1711.74   1861.74   506   783.9268   1711.74   1861.74   557   8905.405   2071.26   2221.26   606   9203.65   2071.26   2221.26     455   756.573   1711.74   1861.74   507   784.9243   1711.74	450	753.8333	1711.74	1861.74	501	781.5991	1711.74	1861.74	552	9069.059	2067.48	2217.48	603	9180.849	2071.26	2221.26
452   754.8309   1711.74   1861.74   503   782.7629   1711.74   1861.74   554   8951.359   2069.07   2219.07   605   9192.705   2071.26   2221.26     453   755.4128   1711.74   1861.74   504   782.8461   1711.74   1861.74   555   8893.548   2071.26   2221.26   606   9203.65   2071.26   2221.26     454   755.4759   1711.74   1861.74   505   783.8436   1711.74   1861.74   556   8904.493   2071.26   2221.26   606   9203.65   2071.26   2221.26     455   756.5766   1711.74   1861.74   506   783.9268   1711.74   1861.74   557   8905.405   2071.26   2221.26   606   9204.562   2071.26   2221.26     455   756.573   1711.74   1861.74   507   784.9243   1711.74   1861.74   558   8916.35   2071.26   2221.26   609   9216.419   2071.26   2221.26     455   757.6573   1711.74   1861.74   508   785.095   1711.74	451	753.9164	1711.74	1861.74	502	781.6822	1711.74	1861.74	553	8940.342	2069.07	2219.07	604	9191.793	2071.26	2221.26
453   755.4128   1711.74   1861.74   504   782.8461   1711.74   1861.74   555   8893.548   2071.26   2221.26   606   9203.65   2071.26   2221.26     454   755.4959   1711.74   1861.74   505   783.8436   1711.74   1861.74   556   8904.493   2071.26   2221.26   607   9203.65   2071.26   2221.26     455   756.5766   1711.74   1861.74   506   783.9268   1711.74   1861.74   557   8905.405   2071.26   2221.26   608   9203.65   2071.26   2221.26     456   756.6597   1711.74   1861.74   507   784.9243   1711.74   1861.74   558   8916.35   2071.26   2221.26   609   9216.419   2071.26   2221.26     457   757.6573   1711.74   1861.74   508   785.0075   1711.74   1861.74   56   8916.35   2071.26   2221.26   610   9228.276   2071.26   2221.26     458   757.7405   1711.74   1861.74   509   786.082   1711.74	452	754.8309	1711.74	1861.74	503	782.7629	1711.74	1861.74	554	8951.359	2069.07	2219.07	605	9192.705	2071.26	2221.26
454   755.4959   1711.74   1861.74   505   783.8436   1711.74   1861.74   556   8904.493   2071.26   2221.26   607   9204.562   2071.26   2221.26     455   756.5766   1711.74   1861.74   506   783.8436   1711.74   1861.74   557   8905.405   2071.26   2221.26   608   9215.507   2071.26   2221.26     456   756.6597   1711.74   1861.74   507   784.9243   1711.74   1861.74   558   8916.35   2071.26   2221.26   609   9216.419   2071.26   2221.26     457   757.6573   1711.74   1861.74   508   785.0075   1711.74   1861.74   508   8916.35   2071.26   2221.26   609   9216.419   2071.26   2221.26     458   757.7405   1711.74   1861.74   509   786.005   1711.74   1861.74   560   892.119   2071.26   2221.26   610   928.276   2071.26   2221.26     459   758.5718   1711.74   1861.74   510   786.082   1711.74	453	755.4128	1711.74	1861.74	504	782.8461	1711.74	1861.74	555	8893.548	2071.26	2221.26	606	9203.65	2071.26	2221.26
455   756.5766   1711.74   1861.74   506   783.9268   1711.74   1861.74   57   8905.405   2071.26   2221.26   608   9215.507   2071.26   2221.26     456   756.6597   1711.74   1861.74   507   784.9243   1711.74   1861.74   558   8916.35   2071.26   2221.26   609   9216.419   2071.26   2221.26     457   757.6573   1711.74   1861.74   508   785.0075   1711.74   1861.74   509   8917.262   2071.26   2221.26   610   9228.276   2071.26   2221.26     458   757.7405   1711.74   1861.74   509   786.092   1711.74   1861.74   560   8929.119   2071.26   2221.26   610   9228.276   2071.26   2221.26     459   758.5718   1711.74   1861.74   561   8930.031   2071.26   2221.26   611   929.188   2071.26   2221.26     460   759.2368   1711.74   1861.74   562   8940.975   2071.26   2221.26   613   9241.045   2071.26	454	755.4959	1711.74	1861.74	505	783.8436	1711.74	1861.74	556	8904.493	2071.26	2221.26	607	9204.562	2071.26	2221.26
456   756.6597   1711.74   1861.74   507   784.9243   1711.74   1861.74   558   8916.35   2071.26   2221.26   609   9216.419   2071.26   2221.26     457   757.6573   1711.74   1861.74   508   785.0075   1711.74   1861.74   509   8917.262   2071.26   2221.26   610   9228.276   2071.26   2221.26     458   757.7405   1711.74   1861.74   509   786.005   1711.74   1861.74   560   8929.119   2071.26   2221.26   610   9228.276   2071.26   2221.26     459   758.5718   1711.74   1861.74   50   786.0082   1711.74   1861.74   561   8930.031   2071.26   2221.26   610   9240.013   2071.26   2221.26     460   759.2368   1711.74   1861.74   561   8930.031   2071.26   2221.26   613   9241.045   2071.26   2221.26     460   759.2368   1711.74   1861.74   562   8940.975   2071.26   2221.26   613   9241.045   2071.26 <td>455</td> <td>756.5766</td> <td>1711.74</td> <td>1861.74</td> <td>506</td> <td>783.9268</td> <td>1711.74</td> <td>1861.74</td> <td>557</td> <td>8905.405</td> <td>2071.26</td> <td>2221.26</td> <td>608</td> <td>9215.507</td> <td>2071.26</td> <td>2221.26</td>	455	756.5766	1711.74	1861.74	506	783.9268	1711.74	1861.74	557	8905.405	2071.26	2221.26	608	9215.507	2071.26	2221.26
457   757.6573   1711.74   1861.74   508   785.0075   1711.74   1861.74   559   8917.262   2071.26   2221.26   610   9228.276   2071.26   2221.26     458   757.7405   1711.74   1861.74   509   785.0075   1711.74   1861.74   560   8929.119   2071.26   2221.26   610   9228.276   2071.26   2221.26     459   758.5718   1711.74   1861.74   500   786.0082   1711.74   1861.74   561   8930.031   2071.26   2221.26   612   9240.133   2071.26   2221.26     460   759.2368   1711.74   1861.74   562   8940.975   2071.26   2221.26   613   9241.045   2071.26   2221.26     461   759.3199   1711.74   1861.74   563   8941.888   2071.26   2221.26   614   9251.99   2071.26   2221.26     461   759.3199   1711.74   1861.74   563   8941.888   2071.26   2221.26   614   9251.99   2071.26   2221.26	456	756,6597	1711.74	1861.74	507	784,9243	1711.74	1861.74	558	8916.35	2071.26	2221.26	609	9216.419	2071.26	2221.26
458   757.7405   1711.74   1861.74   509   786.005   1711.74   1861.74   560   8929.119   2071.26   2221.26   611   9229.188   2071.26   2221.26     459   758.5718   1711.74   1861.74   50   786.082   1711.74   1861.74   561   8930.031   2071.26   2221.26   611   9229.188   2071.26   2221.26     460   759.2368   1711.74   1861.74   562   8940.975   2071.26   2221.26   613   9240.0133   2071.26   2221.26     461   759.3199   1711.74   1861.74   563   8941.888   2071.26   2221.26   614   9251.99   2071.26   2221.26	457	757,6573	1711.74	1861.74	508	785,0075	1711.74	1861.74	559	8917.262	2071.26	2221.26	610	9228.276	2071.26	2221.26
459   758.5718   1711.74   1861.74   510   786.0882   1711.74   1861.74   561   8930.031   2071.26   2221.26   612   9240.133   2071.26   2221.26     460   759.2368   1711.74   1861.74   511   787.0857   1711.74   1861.74   562   8940.975   2071.26   2221.26   613   9241.045   2071.26   2221.26     461   759.3199   1711.74   1861.74   512   787.1689   1711.74   1861.74   563   8941.888   2071.26   2221.26   614   9251.99   2071.26   2221.26	458	757,7405	1711.74	1861.74	509	786.005	1711.74	1861.74	560	8929.119	2071.26	2221.26	611	9229.188	2071.26	2221.26
460     759.2368     1711.74     1861.74     511     787.0857     1711.74     1861.74     562     8940.975     2071.26     2221.26     613     9241.045     2071.26     2221.26       461     759.3199     1711.74     1861.74     512     787.1689     1711.74     1861.74     563     8941.888     2071.26     2221.26     614     9251.99     2071.26     2221.26	459	758,5718	1711.74	1861.74	510	786.0882	1711.74	1861.74	561	8930.031	2071.26	2221.26	612	9240.133	2071.26	2221.26
461 759.3199 1711.74 1861.74 512 787.1689 1711.74 1861.74 563 8941.888 2071.26 2221.26 614 9251.99 2071.26 2221.26	460	759.2368	1711.74	1861.74	511	787.0857	1711.74	1861.74	562	8940.975	2071.26	2221.26	613	9241.045	2071.26	2221.26
	461	759.3199	1711.74	1861.74	512	787.1689	1711.74	1861.74	563	8941.888	2071.26	2221.26	614	9251.99	2071.26	2221.26

	Α	В	с		Α	В	С		Α	В	С
613	9241.045	2071.26	2221.26	664	9551.147	2071.26	2221.26	715	897.8996	2288.97	2438.97
614	9251.99	2071.26	2221.26	665	9552.059	2071.26	2221.26	716	898.8971	2288.97	2438.97
615	9252.902	2071.26	2221.26	666	9563.004	2071.26	2221.26	717	898.9803	2288.97	2438.97
616	9263.847	2071.26	2221.26	667	9563.916	2071.26	2221.26	718	899.9779	2303.04	2453.04
617	9264.759	2071.26	2221.26	668	9574.861	2071.26	2221.26	719	900.061	2305.14	2455.14
618	9275.703	2071.26	2221.26	669	9575.773	2071.26	2221.26	720	901.0586	2305.14	2455.14
619	9276.615	2071.26	2221.26	670	9586.718	2071.26	2221.26	721	901.1417	2307.48	2457.48
620	9287.56	2071.26	2221.26	671	9587.63	2071.26	2221.26	722	902.2224	2308.63	2458.63
621	9288.472	2071.26	2221.26	672	9598.575	2071.26	2221.26	723	902.3055	2308.63	2458.63
622	9299.417	2071.26	2221.26	673	9599.487	2071.26	2221.26	724	903.3031	2308.63	2458.63
623	9300.329	2071.26	2221.26	674	9611.343	2071.26	2221.26	725	903.3862	2308.63	2458.63
624	9311.274	2071.26	2221.26	675	9612.255	2071.26	2221.26	726	904.3838	2308.63	2458.63
625	9312.186	2071.26	2221.26	676	9623.2	2071.26	2221.26	727	904.4669	2308.63	2458.63
626	9324.043	2071.26	2221.26	677	9624.112	2071.26	2221.26	728	905.4645	2308.63	2458.63
627	9324.955	2071.26	2221.26	678	9635.057	2071.26	2221.26	729	905.5476	2308.63	2458.63
628	9335.9	2071.26	2221.26	679	9635.969	2071.26	2221.26	730	906.5452	2308.63	2458.63
629	9336.812	2071.26	2221.26	680	9646.914	2071.26	2221.26	731	906.6283	2308.63	2458.63
630	9347.757	2071.26	2221.26	681	9647.826	2071.26	2221.26	732	907.6259	2308.63	2458.63
631	9348.669	2071.26	2221.26	682	9658.771	2071.26	2221.26	733	907.709	2308.63	2458.63
632	9359.613	2071.26	2221.26	683	9659.683	2071.26	2221.26	734	908.7066	2308.63	2458.63
633	9360.525	2071.26	2221.26	684	9670.628	2071.26	2221.26	735	908.7898	2308.63	2458.63
634	9371.47	2071.26	2221.26	685	9671.54	2071.26	2221.26	736	909.7873	2308.63	2458.63
635	9372.382	2071.26	2221.26	686	9682.485	2071.26	2221.26	737	909.8705	2308.63	2458.63
636	9383.327	2071.26	2221.26	687	9683.397	2071.26	2221.26	738	910.9512	2308.63	2458.63
637	9384.239	2071.26	2221.26	688	9694.341	2071.26	2221.26	739	911.0343	2308.63	2458.63
638	9395.184	2071.26	2221.26	689	9695.253	2071.26	2221.26	740	912.0319	2308.63	2458.63
639	9396.096	2071.26	2221.26	690	9707.11	2071.26	2221.26	741	912.115	2308.63	2458.63
640	9407.041	2071.26	2221.26	691	9708.022	2071.26	2221.26	742	913.1126	2308.63	2458.63
641	9407.953	2071.26	2221.26	692	9718.967	2071.26	2221.26	743	913.1957	2308.63	2458.63
642	9419.81	2071.26	2221.26	693	9719.879	2071.26	2221.26	744	914.1933	2308.63	2458.63
643	9420.722	2071.26	2221.26	694	9730.824	2071.26	2221.26	745	914.2764	2308.63	2458.63
644	9431.667	2071.26	2221.26	695	9731.736	2071.26	2221.26	746	915.274	2308.63	2458.63
645	9432.579	2071.26	2221.26	696	9742.681	2071.26	2221.26	747	915.3571	2308.63	2458.63
646	9443.523	2071.26	2221.26	697	9743.593	2071.26	2221.26	748	916.3547	2308.63	2458.63
647	9444.435	2071.26	2221.26	698	9754.538	2071.26	2221.26	749	916.4378	2348.56	2498.56
648	9455.38	2071.26	2221.26	699	9755.45	2071.26	2221.26	750	916.5608	2349.32	2499.32
649	9456.292	2071.26	2221.26	700	9766.395	2071.26	2221.26	751	916.6439	2349.32	2499.32
650	9467.237	2071.26	2221.26	701	9767.307	2071.26	2221.26	752	917.6405	2349.32	2499.32
651	9468.149	2071.26	2221.26	702	9778.251	2071.26	2221.26	753	917.7235	2349.32	2499.32
652	9479.094	2071.26	2221.26	703	9779.163	2071.26	2221.26	754	918.7202	2349.32	2499.32
653	9480.006	2071.26	2221.26	704	9790.108	2071.26	2221.26	755	918.8032	2349.32	2499.32
654	9490.951	2071.26	2221.26	705	9791.02	2071.26	2221.26	756	919.8829	2349.32	2499.32
655	9491.863	2071.26	2221.26	706	894.3454	2285.81	2435.81	757	919.9659	2349.32	2499.32
656	9502.808	2071.26	2221.26	707	893.5768	2287.89	2437.89	758	920.9626	2349.32	2499.32
657	9503.72	2071.26	2221.26	708	894.5743	2288.97	2438.97	759	921.0456	2349.32	2499.32
658	9515.577	2071.26	2221.26	709	894.6575	2288.97	2438.97	760	921.9592	2349.32	2499.32
659	9516.489	2071.26	2221.26	710	895.655	2288.97	2438.97	761	922.5405	2349.32	2499.32
660	9527.433	2071.26	2221.26	711	895.7382	2288.97	2438.97	762	922.6236	2349.32	2499.32
661	9528.345	2071.26	2221.26	712	896.7357	2288.97	2438.97	763	923.7033	2349.32	2499.32
662	9539.29	2071.26	2221.26	713	896.8189	2288.97	2438.97	764	924.6678	2368.49	2518.49
663	9540.202	2071.26	2221.26	714	897.8164	2288.97	2438.97	765	924.783	2370.65	2520.65
664	9551.147	2071.26	2221.26	715	897.8996	2288.97	2438.97	766	924.866	2370.65	2520.65
665	9552.059	2071.26	2221.26	716	898.8971	2288.97	2438.97	767	925.3643	2374.13	2524.13
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To obtain a correct result and analyses determine the average pressure and running to plot it VS depth .

The table (4-4) show the average pressure and average fraction pressure.

	Α	В	С		A	В	С		Α	В	С		A	В	С
1	PP avg	FP avg	Mselct	58	1318.61	1468.61	1393.61	115	1384.91	1534.91	1459.91	172	1514.84	1664.84	1589.84
2	1273.75	1423.75	1348.75	59	1318.61	1468.61	1393.61	116	1384.91	1534.91	1459.91	173	1528.19	1678.19	1603.19
3	1273.75	1423.75	1348.75	60	1318.61	1468.61	1393.61	117	1384.91	1534.91	1459.91	174	1530.24	1680.24	1605.24
4	1273.75	1423.75	1348.75	61	1318.61	1468.61	1393.61	118	1384.91	1534.91	1459.91	175	1530.24	1680.24	1605.24
5	1273.75	1423.75	1348.75	62	1318.61	1468.61	1393.61	119	1384.91	1534.91	1459.91	176	1532.2	1682.2	1607.2
6	1273.75	1423.75	1348.75	63	1318.61	1468.61	1393.61	120	1384.91	1534.91	1459.91	177	1433.45	1583.45	1508.45
7	1273.75	1423.75	1348.75	64	1318.61	1468.61	1393.61	121	1384.91	1534.91	1459.91	178	1433.45	1583.45	1508.45
8	1273.75	1423.75	1348.75	65	1318.61	1468.61	1393.61	122	1384.91	1534.91	1459.91	179	1433.45	1583.45	1508.45
9	1273.75	1423.75	1348.75	66	1318.61	1468.61	1393.61	123	1384.91	1534.91	1459.91	180	1433.45	1583.45	1508.45
10	1273.75	1423.75	1348.75	67	1395.91	1545.91	1470.91	124	1384.91	1534.91	1459.91	181	1433.45	1583.45	1508.45
11	1273.75	1423.75	1348.75	68	1380.7	1530.7	1455.7	125	1384.91	1534.91	1459.91	182	1433.45	1583.45	1508.45
12	1273.75	1423.75	1348.75	69	1380.7	1530.7	1455.7	126	1384.91	1534.91	1459.91	183	1433.45	1583.45	1508.45
13	1273.75	1423.75	1348.75	70	1383.5	1533.5	1458.5	127	1384.91	1534.91	1459.91	184	1433.45	1583.45	1508.45
14	1273.75	1423.75	1348.75	71	1384.91	1534.91	1459.91	128	1384.91	1534.91	1459.91	185	1433.45	1583.45	1508.45
15	1273.75	1423.75	1348.75	72	1384.91	1534.91	1459.91	129	1384.91	1534.91	1459.91	186	1433.45	1583.45	1508.45
16	1273.75	1423.75	1348.75	73	1384.91	1534.91	1459.91	130	1384.91	1534.91	1459.91	187	1433.45	1583.45	1508.45
17	1273.75	1423.75	1348.75	74	1384.91	1534.91	1459.91	131	1384.91	1534.91	1459.91	188	1433.45	1583.45	1508.45
18	1273.75	1423.75	1348.75	75	1384.91	1534.91	1459.91	132	1384.91	1534.91	1459.91	189	1433.45	1583.45	1508.45
19	1273.75	1423.75	1348.75	76	1384.91	1534.91	1459.91	133	1384.91	1534.91	1459.91	190	1433.45	1583.45	1508.45
20	1273.75	1423.75	1348.75	77	1384.91	1534.91	1459.91	134	1384.91	1534.91	1459.91	191	1433 45	1583 45	1508.45
21	1314.44	1464.44	1389.44	78	1384.91	1534.91	1459.91	135	1384.91	1534.91	1459.91	192	1433 45	1583 45	1508.45
22	1315.75	1465.75	1390.75	79	1384.91	1534.91	1459.91	136	1384.91	1534.91	1459.91	193	1433 45	1583 45	1508.45
23	1317.15	1467.15	1392.15	80	1384.91	1534.91	1459.91	137	1384.91	1534.91	1459.91	194	1433.45	1583.45	1508.45
24	1318.61	1468.61	1393.61	81	1384.91	1534.91	1459.91	138	1384.91	1534.91	1459.91	195	1433.45	1583.45	1508.45
25	1318.61	1468.61	1393.61	82	1384.91	1534.91	1459.91	139	1384.91	1534.91	1459.91	196	1433.45	1583.45	1508.45
26	1318.61	1468.61	1393.61	83	1384.91	1534.91	1459.91	140	1384.91	1534.91	1459.91	197	1433.45	1583.45	1508.45
27	1318.61	1468.61	1393.61	84	1384.91	1534.91	1459.91	141	1384.91	1534.91	1459.91	198	1433.45	1583.45	1508.45
28	1318.61	1468.61	1393.61	85	1384.91	1534.91	1459.91	142	1384.91	1534.91	1459.91	100	1433.45	1583.45	1508.45
29	1318.61	1468 61	1393 61	86	1384 91	1534.91	1459.91	143	1485.7	1635.7	1560.7	200	1433.45	1503.45	1508.45
30	1318.61	1468.61	1393.61	87	1384 91	1534.91	1459.91	144	1487.86	1637.86	1562.86	200	1433.45	1583.45	1508.45
31	1318.61	1468.61	1393.61	88	1384.91	1534.91	1459.91	145	1487.86	1637.86	1562.86	201	1433.45	1503.45	1508.45
32	1318.61	1468.61	1393.61	89	1384 91	1534.91	1459.91	146	1490.46	1640.46	1565.46	202	1433.45	1503.45	1508.45
33	1318.61	1468 61	1393.61	90	1384.91	1534.91	1459.91	147	1490.46	1640.46	1565.46	205	1433.45	1503.45	1508.45
34	1318.61	1468.61	1393.61	91	1384.91	1534.91	1459.91	148	1493.15	1643.15	1568.15	204	1433.45	1503.45	1508.45
35	1318.61	1468 61	1393.61	92	1384.91	1534.91	1459.91	149	1493.15	1643.15	1568.15	205	1433.45	1503.45	1508.45
36	1318.61	1468 61	1393.61	93	1384.91	1534.91	1459.91	150	1495.8	1645.8	1570.8	200	1433.45	1503.45	1508.45
37	1318.61	1468 61	1393.61	04	1384.01	1534.01	1459.01	151	1495.8	1645.8	1570.8	207	1433.45	1503.45	1508.45
38	1318.61	1468 61	1393.61	05	1384.01	1534.01	1459.01	152	1498.4	1648.4	1573.4	200	1433.45	1503.45	1508.45
39	1318.61	1468 61	1393.61	96	1384.91	1534.91	1459.91	153	1498.4	1648.4	1573.4	209	1433.45	1503.45	1508.45
40	1318.61	1468 61	1393.61	07	1384.01	1534.91	1450.01	154	1501.13	1651.13	1576.13	210	1433.45	1583.45	1508.45
41	1318.61	1468.61	1303.61	00	1294.01	1524.01	1459.91	155	1501.13	1651.13	1576.13	211	1433.45	1583.45	1508.45
42	1318.61	1468 61	1393.61	00	1384.01	1534.01	1450.01	156	1501.13	1651.13	1576.13	212	1433.45	1563.45	1508.45
43	1318.61	1468 61	1393.61	100	1384.01	1534.01	1450.01	157	1501.13	1651.13	1576.13	213	1433.45	1583.45	1508.45
44	1318.61	1468 61	1393.61	101	1384.91	1534.91	1459.91	158	1501.13	1651.13	1576.13	214	1433.45	1583.45	1508.45
45	1318.61	1468.61	1303.61	102	1204.91	1524.01	1459.91	159	1512.26	1662.26	1587.26	215	1433.45	1583.45	1508.45
46	1318.61	1468 61	1393.61	102	1384.01	1534.01	1450.01	160	1513.29	1663.29	1588.29	210	1433.45	1563.45	1508.45
40	1318.01	1468.61	1303.01	103	1204.91	1534.91	1459.91	161	1514.84	1664.84	1589.84	217	1433.45	1583.45	1508.45
49	1318.61	1468.61	1303.61	104	1204.91	1524.01	1459.91	162	1514.84	1664.84	1589.84	218	1433.45	1583.45	1508.45
10	1318.61	1468.61	1303.61	105	1294.01	1524.01	1459.91	163	1514.84	1664.84	1589.84	219	1433.45	1583.45	1508.45
50	1318.61	1468 61	1393.01	100	1384.01	1534.91	1459.91	164	1514.84	1664.84	1589.84	220	1433.45	1583.45	1508.45
51	1319.01	1469.61	1302.61	107	1204.91	1534.91	1459.91	165	1514.84	1664.84	1589.84	221	1433.45	1583.45	1508.45
52	1318.61	1468 61	1393.61	100	1384.91	1534.91	1450.01	166	1514.84	1664.84	1589.84	222	1433.45	1583.45	1508.45
52	1318 61	1468 61	1303.01	110	1284.01	1594.91	1459.91	167	1514.84	1664.84	1589.84	223	1433.45	1583.45	1508.45
54	1319.01	1469.61	1393.01	111	1204.91	1594.91	1459.91	168	1514.84	1664.84	1589.84	224	1433.45	1583.45	1508.45
55	1310.01	1400.01	1302 61	112	1204.91	1534.91	1459.91	169	1514.84	1664.84	1589.84	225	1433.45	1583.45	1508.45
56	1310.01	1400.01	1309 61	112	1204.91	1534.91	1459.91	170	1514.84	1664.84	1589 84	226	1433.45	1583.45	1508.45
57	1318.01	1469.61	1302.61	113	1204.91	1594.91	1459.91	171	1514.84	1664.84	1589.84	227	1433.45	1583.45	1508.45
50	1210.01	1400.01	1202 64	114	1284.91	1534.91	1459.91	172	1514 84	1664 84	1589.84	228	1433.45	1583.45	1508.45
50	1310.01	1400.01	1393.01	112	1204.91	1534.91	1459.91	173	1528.19	1678.19	1603.19	229	1433.45	1583.45	1508.45
29	1318.61	1408.01	1393.01	116	1384.91	1534.91	1459.91		1720.13	10/0.19	1000.19	230	1433.45	1583.45	1508.45

	Α	В	С		Α	в	с	Α	В	C		Α	В	С
229	1433.45	1583.45	1508.45	286	1433 45	1583 45	1508 45 343	1711.74	1861.74	1786.74	457	1711.74	1861.74	1786.74
230	1433.45	1583.45	1508.45	287	1433.45	1583.45	1508 45 344	1711 74	1861 74	1786 74	458	1711.74	1861.74	1786.74
231	1433.45	1583.45	1508.45	288	1433.45	1583.45	1508 45 345	1711 74	1861 74	1786 74	459	1711.74	1861.74	1786.74
232	1433.45	1583.45	1508.45	280	1433.45	1583.45	1508.45 346	1711 74	1861 74	1786 74	460	1711.74	1861.74	1786.74
233	1433.45	1583.45	1508.45	200	1433.45	1583.45	1508.45 347	1711 74	1861 74	1786 74	461	1711.74	1861.74	1786.74
234	1433.45	1583.45	1508.45	201	1433.45	1503.45	1508.45 348	1711 74	1861.74	1786 74	462	1711.74	1861.74	1786.74
235	1433.45	1583.45	1508.45	291	1433.45	1565.45	1508.45 340	1711.74	1001.74	1706.74	463	1711.74	1861.74	1786.74
236	1433.45	1583.45	1508.45	292	1433.45	1583.45	1508.45 349	1711.74	1001.74	1796.74	464	1711.74	1861.74	1786.74
237	1433.45	1583.45	1508.45	293	1433.45	1583.45	1508.45 350	1711.74	1001.74	1796.74	465	1711.74	1861.74	1786.74
238	1433 45	1583.45	1508 45	294	1433.45	1583.45	1508.45 351	1711.74	1001.74	1706.74	466	1711.74	1861.74	1786.74
239	1433.45	1583.45	1508.45	295	1433.45	1583.45	1508.45 552	1/11./4	1001.74	1/00./4	467	1711 74	1861 74	1786 74
240	1433.45	1583.45	1508.45	296	1433.45	1583.45	1508.45 555	1/11./4	1861.74	1/86./4	468	1711 74	1861 74	1786 74
241	1433.45	1583.45	1508.45	297	1705.1	1855.1	1780.1 354	1/11./4	1861.74	1/86./4	469	1711 74	1861 74	1786 74
2/2	1433.45	1583.45	1508.45	298	1705.1	1855.1	1780.1 355	1/11./4	1861.74	1/86./4	470	1711 74	1861.74	1786.74
242	1422.45	1599.45	1509.45	299	1706.92	1856.92	1781.92 350	1/11./4	1861./4	1/86./4	- 171	1711 74	1861.74	1786.74
245	1433.45	1503.45	1509.45	300	1709.33	1859.33	1784.33 357	1711.74	1861.74	1786.74	- 472	1711.74	1961 74	1796 74
244	1433.45	1503.45	1500.45	301	1710.53	1860.53	1785.53 358	1711.74	1861.74	1786.74	- 472	1711.74	1001.74	1706.74
245	1455.45	1565.45	1508.45	302	1711.74	1861.74	1786.74 359	1711.74	1861.74	1786.74	- 475	1711.74	1001.74	1700.74
240	1433.45	1583.45	1508.45	303	1711.74	1861.74	1786.74 360	1711.74	1861.74	1786.74	4/4	1/11./4	1861.74	1/80./4
247	1433.45	1583.45	1508.45	304	1711.74	1861.74	1786.74 361	1711.74	1861.74	1786.74	4/5	1/11./4	1861.74	1/86./4
248	1433.45	1583.45	1508.45	305	1711.74	1861.74	1786.74 362	1711.74	1861.74	1786.74	4/6	1/11./4	1861./4	1/86./4
249	1433.45	1583.45	1508.45	306	1711.74	1861.74	1786.74 363	1711.74	1861.74	1786.74	4//	1711.74	1861.74	1786.74
250	1433.45	1583.45	1508.45	307	1711.74	1861.74	1786.74 364	1711.74	1861.74	1786.74	478	1711.74	1861.74	1786.74
251	1433.45	1583.45	1508.45	308	1711.74	1861.74	1786.74 365	1711.74	1861.74	1786.74	479	1711.74	1861.74	1786.74
252	1433.45	1583.45	1508.45	309	1711.74	1861.74	1786.74 366	1711.74	1861.74	1786.74	480	1711.74	1861.74	1786.74
253	1433.45	1583.45	1508.45	310	1711.74	1861.74	1786.74 367	1711.74	1861.74	1786.74	481	1711.74	1861.74	1786.74
254	1433.45	1583.45	1508.45	311	1711.74	1861.74	1786.74 368	1711.74	1861.74	1786.74	482	1711.74	1861.74	1786.74
255	1433.45	1583.45	1508.45	312	1711.74	1861.74	1786,74 369	1711.74	1861.74	1786.74	483	1711.74	1861.74	1786.74
256	1433.45	1583.45	1508.45	313	1711.74	1861.74	1786.74 370	1711.74	1861.74	1786.74	484	1711.74	1861.74	1786.74
257	1433.45	1583.45	1508.45	314	1711 74	1861.74	1786 74 371	1711.74	1861.74	1786.74	485	1711.74	1861.74	1786.74
258	1433.45	1583.45	1508.45	315	1711.74	1861.74	1786.74 372	1711.74	1861.74	1786.74	486	1711.74	1861.74	1786.74
259	1433.45	1583.45	1508.45	316	1711 74	1861 74	1786 74 373	1711.74	1861.74	1786.74	487	1711.74	1861.74	1786.74
260	1433.45	1583.45	1508.45	317	1711 74	1861.74	1786 74 374	1711.74	1861.74	1786.74	488	1711.74	1861.74	1786.74
261	1433.45	1583.45	1508.45	318	1711 74	1861.74	1786 74 375	1711.74	1861.74	1786.74	489	1711.74	1861.74	1786.74
262	1433.45	1583.45	1508.45	210	1711 74	1861.74	1786 74 376	1711 74	1861 74	1786 74	490	1711.74	1861.74	1786.74
263	1433.45	1583.45	1508.45	220	1711.74	1961.74	1786 74 377	1711 74	1861.74	1786 74	491	1711.74	1861.74	1786.74
264	1433.45	1583.45	1508.45	221	1711.74	1001.74	1786.74 378	1711 74	1861.74	1786.74	492	1711.74	1861.74	1786.74
265	1433.45	1583.45	1508.45	222	1711.74	1001.74	1786.74 379	1711 74	1861.74	1786 74	493	1711.74	1861.74	1786.74
266	1433.45	1583.45	1508.45	322	1711.74	1001.74	1706.74 379	1711.74	1861.74	1786.74	494	1711.74	1861.74	1786.74
267	1433.45	1583.45	1508.45	323	1/11./4	1001.74	1786.74 300	1711.74	1961.74	1796 74	495	1711.74	1861.74	1786.74
268	1433 45	1583 45	1508 45	324	1/11./4	1861.74	1786.74 301	1711.74	1001.74	1700.74	496	1711.74	1861.74	1786.74
269	1433 45	1583.45	1508.45	325	1/11./4	1861.74	1/86./4 302	1711.74	1001.74	1706.74	497	1711.74	1861.74	1786.74
270	1433.45	1583.45	1508.45	326	1/11./4	1861.74	1/86./4 505	1/11./4	1001.74	1/00./4	498	1711 74	1861 74	1786 74
271	1433.45	1583.45	1508.45	327	1/11.74	1861.74	1/86.74 384	1/11./4	1001./4	1706.74	499	1711 74	1861 74	1786 74
272	1433.45	1583.45	1508.45	328	1711.74	1861.74	1786.74 385	1/11./4	1861.74	1/86./4	500	1711 74	1861 74	1786 74
272	1422.45	1509.45	1509.45	329	1711.74	1861.74	1786.74 380	1/11./4	1861.74	1/86./4	501	1711 74	1861.74	1786.74
273	1433.45	1503.45	1508.45	330	1711.74	1861.74	1786.74 38/	1711.74	1861.74	1786.74	502	1711.74	1861.74	1786.74
274	1433.45	1503.45	1500.45	331	1711.74	1861.74	1786.74 388	1711.74	1861.74	1786.74	502	1711.74	1961 74	1706.74
275	1433.45	1503.45	1508.45	332	1711.74	1861.74	1786.74 389	1711.74	1861.74	1786.74	- 504	1711.74	1961.74	1786.74
270	1433.45	1583.45	1508.45	333	1711.74	1861.74	1786.74 390	1711.74	1861.74	1786.74	505	1711.74	1001.74	1706.74
277	1433.45	1583.45	1508.45	334	1711.74	1861.74	1786.74 391	1711.74	1861.74	1786.74	- 505	1711.74	1001.74	1706.74
2/8	1433.45	1583.45	1508.45	335	1711.74	1861.74	1786.74 392	1711.74	1861.74	1786.74	- 507	1711.74	1001./4	1700.74
2/9	1433.45	1583.45	1508.45	336	1711.74	1861.74	1786.74 393	1711.74	1861.74	1786.74	507	1/11./4	1001./4	1705.74
280	1433.45	1583.45	1508.45	337	1711.74	1861.74	1786.74 394	1711.74	1861.74	1786.74	508	1/11./4	1861./4	1/86./4
281	1433.45	1583.45	1508.45	338	1711.74	1861.74	1786.74 395	1711.74	1861.74	1786.74	509	1/11.74	1861.74	1/86.74
282	1433.45	1583.45	1508.45	339	1711.74	1861.74	1786.74 396	1711.74	1861.74	1786.74	510	1711.74	1861.74	1786.74
283	1433.45	1583.45	1508.45	340	1711.74	1861.74	1786.74 397	1711.74	1861.74	1786.74	511	1711.74	1861.74	1786.74
284	1433.45	1583.45	1508.45	341	1711.74	1861.74	1786.74 398	1711.74	1861.74	1786.74	512	1711.74	1861.74	1786.74
285	1433.45	1583.45	1508.45	342	1711.74	1861.74	1786.74 399	1711.74	1861.74	1786.74	513	1711.74	1861.74	1786.74
286	1433.45	1583.45	1508.45	343	1711.74	1861.74	1786.74 400	1711.74	1861.74	1786.74	514	1711.74	1861.74	1786.74
287	1433.45	1583.45	1508.45	344	1711.74	1861.74	1786.74 401	1711.74	1861.74	1786.74	515	1711.74	1861.74	1786.74

	Α	В	С		Α	В	С		Α	В	С		Α	В	С
514	1711.74	1861.74	1786.74	571	2071.26	2221.26	2146.26	628	2071.26	2221.26	2146.26	685	2071.26	2221.26	2146.26
515	1711.74	1861.74	1786.74	572	2071.26	2221.26	2146.26	629	2071.26	2221.26	2146.26	686	2071.26	2221.26	2146.26
516	1711.74	1861.74	1786.74	573	2071.26	2221.26	2146.26	630	2071.26	2221.26	2146.26	687	2071.26	2221.26	2146.26
517	1711.74	1861.74	1786.74	574	2071.26	2221.26	2146.26	631	2071.26	2221.26	2146.26	688	2071.26	2221.26	2146.26
518	1711.74	1861.74	1786.74	575	2071.26	2221.26	2146.26	632	2071.26	2221.26	2146.26	689	2071.26	2221.26	2146.26
519	1711 74	1861 74	1786 74	576	2071.26	2221.26	2146.26	633	2071.26	2221 26	2146.26	690	2071 26	2221 26	2146.26
520	1711 74	1861 74	1786 74	577	2071.26	2221.26	2146.26	634	2071.26	2221.26	2146.26	691	2071.26	2221 26	2146.26
521	1711 74	1861 74	1786 74	578	2071.26	2221.26	2146.26	635	2071.26	2221.20	2146.26	692	2071.26	2221 26	2146.26
522	1711 74	1861 74	1786 74	579	2071.26	2221.26	2146.26	636	2071.20	2221.20	2146.20	693	2071.20	2221.20	2146.26
523	1711 74	1861 74	1786 74	580	2071.26	2221.26	2146.26	637	2071.20	2221.20	2140.20	694	2071.20	2221.20	2146.26
524	1711.74	1861.74	1786.74	581	2071 26	2221.26	2146.26	620	2071.20	2221.20	2140.20	605	2071.20	2221.20	2140.20
525	1711.74	1001.74	1706.74	582	2071 26	2221 26	2146.26	620	2071.20	2221.20	2140.20	606	2071.20	2221.20	2140.20
525	1711.74	1001.74	1706.74	583	2071.26	2221.26	2146.26	640	20/1.26	2221.26	2146.26	607	20/1.20	2221.20	2140.20
520	1711.74	1001.74	1706.74	584	2071.26	2221.20	2146.26	640	20/1.26	2221.26	2146.26	600	2071.20	2221.20	2140.20
527	1711.74	1001.74	1700.74	585	2071.20	2221.20	2146.26	641	20/1.26	2221.26	2146.26	600	20/1.20	2221.20	2140.20
528	1/11./4	1861.74	1/86./4	596	2071.20	2221.20	2140.20	642	20/1.26	2221.26	2146.26	200	20/1.26	2221.26	2146.26
529	1/11./4	1861.74	1/86./4	507	2071.20	2221.20	2140.20	643	2071.26	2221.26	2146.26	700	20/1.26	2221.26	2146.26
530	1/11.74	1861.74	1786.74	500	2071.20	2221.20	2140.20	644	2071.26	2221.26	2146.26	701	2071.26	2221.26	2146.26
531	1711.74	1861.74	1786.74	200	2071.20	2221.20	2140.20	645	2071.26	2221.26	2146.26	702	2071.26	2221.26	2146.26
532	1711.74	1861.74	1786.74	289	20/1.26	2221.26	2146.26	646	2071.26	2221.26	2146.26	703	2071.26	2221.26	2146.26
533	1711.74	1861.74	1786.74	590	20/1.26	2221.26	2146.26	647	2071.26	2221.26	2146.26	704	2071.26	2221.26	2146.26
534	1711.74	1861.74	1786.74	591	2071.26	2221.26	2146.26	648	2071.26	2221.26	2146.26	705	2071.26	2221.26	2146.26
535	1711.74	1861.74	1786.74	592	2071.26	2221.26	2146.26	649	2071.26	2221.26	2146.26	706	2285.81	2435.81	2360.81
536	1711.74	1861.74	1786.74	593	2071.26	2221.26	2146.26	650	2071.26	2221.26	2146.26	707	2287.89	2437.89	2362.89
537	2046.92	2196.92	2121.92	594	2071.26	2221.26	2146.26	651	2071.26	2221.26	2146.26	708	2288.97	2438.97	2363.97
538	2047.36	2197.36	2122.36	595	2071.26	2221.26	2146.26	652	2071.26	2221.26	2146.26	709	2288.97	2438.97	2363.97
539	2049.58	2199.58	2124.58	596	2071.26	2221.26	2146.26	653	2071.26	2221.26	2146.26	710	2288.97	2438.97	2363.97
540	2050.59	2200.59	2125.59	597	2071.26	2221.26	2146.26	654	2071.26	2221.26	2146.26	711	2288.97	2438.97	2363.97
541	2050.59	2200.59	2125.59	598	2071.26	2221.26	2146.26	655	2071.26	2221.26	2146.26	712	2288.97	2438.97	2363.97
542	2050.59	2200.59	2125.59	599	2071.26	2221.26	2146.26	656	2071.26	2221.26	2146.26	713	2288.97	2438.97	2363.97
543	2050.59	2200.59	2125.59	600	2071.26	2221.26	2146.26	657	2071.26	2221.26	2146.26	714	2288.97	2438.97	2363.97
544	2050.59	2200.59	2125.59	601	2071.26	2221.26	2146.26	658	2071.26	2221.26	2146.26	715	2288.97	2438.97	2363.97
545	2050.59	2200.59	2125.59	602	2071.26	2221.26	2146.26	659	2071.26	2221.26	2146.26	716	2288.97	2438.97	2363.97
546	2050.59	2200.59	2125.59	603	2071.26	2221.26	2146.26	660	2071.26	2221.26	2146.26	717	2288.97	2438.97	2363.97
547	2050.59	2200.59	2125.59	604	2071.26	2221.26	2146.26	661	2071.26	2221.26	2146.26	718	2303.04	2453.04	2378.04
548	2050.59	2200.59	2125.59	605	2071.26	2221.26	2146.26	662	2071.26	2221.26	2146.26	719	2305.14	2455.14	2380.14
549	2063.42	2213.42	2138.42	606	2071.26	2221.26	2146.26	663	2071.26	2221.26	2146.26	720	2305.14	2455.14	2380.14
550	2063.42	2213.42	2138.42	607	2071.26	2221.26	2146.26	664	2071.26	2221.26	2146.26	721	2307.48	2457.48	2382.48
551	2065.41	2215.41	2140.41	608	2071.26	2221.26	2146.26	665	2071 26	2221 26	2146.26	722	2308.63	2458.63	2383.63
552	2067.48	2217.48	2142.48	609	2071.26	2221.26	2146.26	666	2071.26	2221.26	2146.26	723	2308.63	2458.63	2383.63
553	2069.07	2219.07	2144 07	610	2071.26	2221.26	2146.26	667	2071.20	2221.20	2146.26	724	2308.63	2458.63	2383.63
554	2069.07	2219.07	2144 07	611	2071.26	2221.26	2146.26	668	2071.20	2221.20	2146.26	725	2308.63	2458.63	2383.63
555	2003.07	22213.07	2146.26	612	2071.26	2221.26	2146.26	660	2071.20	2221.20	2140.20	726	2308.63	2458.63	2383.63
556	2071.20	2221.20	2146.26	613	2071.26	2221.26	2146.26	670	2071.20	2221.20	2140.20	727	2308.03	2458 62	2303.03
557	2071.20	2221.20	2140.20	614	2071.26	2221.26	2146.26	671	2071.20	2221.20	2140.20	720	2308.03	2450.05	2303.03
550	2071.20	2221.20	2140.20	615	2071.26	2221.26	2146.26	672	2071.20	2221.20	2140.20	720	2308.03	2450.05	2363.03
270	2071.20	2221.20	2140.20	616	2071.20	2221.20	2146.26	672	20/1.26	2221.26	2146.26	729	2308.03	2456.05	2000.00
550	2071.20	2221.20	2140.20	617	2071.20	2221.20	2146.20	0/3	20/1.26	2221.26	2146.26	730	2308.03	2456.05	2363.03
000	2071.26	2221.26	2146.26	610	2071.20	2221.20	2140.20	6/4	2071.26	2221.26	2146.26	731	2308.63	2458.63	2383.63
201	2071.26	2221.26	2146.26	610	2071.20	2221.20	2140.20	6/5	2071.26	2221.26	2146.26	732	2308.63	2458.63	2383.63
562	20/1.26	2221.26	2146.26	670	2071.20	2221.20	2140.20	676	2071.26	2221.26	2146.26	733	2308.63	2458.63	2383.63
563	2071.26	2221.26	2146.26	620	20/1.26	2221.26	2140.20	677	2071.26	2221.26	2146.26	734	2308.63	2458.63	2383.63
564	2071.26	2221.26	2146.26	622	20/1.26	2221.26	2146.26	678	2071.26	2221.26	2146.26	/35	2308.63	2458.63	2383.63
565	2071.26	2221.26	2146.26	622	20/1.26	2221.26	2146.26	679	2071.26	2221.26	2146.26	736	2308.63	2458.63	2383.63
566	2071.26	2221.26	2146.26	623	2071.26	2221.26	2146.26	680	2071.26	2221.26	2146.26	737	2308.63	2458.63	2383.63
567	2071.26	2221.26	2146.26	624	2071.26	2221.26	2146.26	681	2071.26	2221.26	2146.26	738	2308.63	2458.63	2383.63
568	2071.26	2221.26	2146.26	625	2071.26	2221.26	2146.26	682	2071.26	2221.26	2146.26	739	2308.63	2458.63	2383.63
569	2071.26	2221.26	2146.26	626	2071.26	2221.26	2146.26	683	2071.26	2221.26	2146.26	740	2308.63	2458.63	2383.63
570	2071.26	2221.26	2146.26	627	2071.26	2221.26	2146.26	684	2071.26	2221.26	2146.26	741	2308.63	2458.63	2383.63
571	2071.26	2221.26	2146.26	628	2071.26	2221.26	2146.26	685	2071.26	2221.26	2146.26	742	2308.63	2458.63	2383.63
572	2071.26	2221.26	2146.26	629	2071.26	2221.26	2146.26	686	2071.26	2221.26	2146.26	743	2308.63	2458.63	2383.63

### 4.3. Discussion:

**Estimate the mud window:**The figure (4-2) show the safety range pressure ( mud window).



Figuer (4-2): mud window

It was noticed that: Pore pressure and mud selection are identical matching that means the formation is very soft, acontamination of drilling fluid exiting of gases.

The safety interval rang of casing set abroxmatly (930-1698)m. The length of the casing estimated about 768m.

# **CHAPTER FIVE**

## **CHAPTER FIVE**

### **CONCLUSION AND RECOMMENDATION**

#### **5.1. Conclusion:**

Geomechanical modeling is playing an increasingly important role at challenging field development projects since field development decisions are aided by an accurate assessment of well design options that are closely tied to the existing geological and engineering data set.

The lithology of formations in ALdindir field in Blue Nile Basin block (8) tawakul are sand soft with the existing of gas beds.

The safety interval rang of casing set abroxmatly (930-1698) m the length of the casing estimated about 768m Estimated the safety range pressure (mud window).

#### 5.2. Recommendation:

It is recommended to perform some laboratory core measurements for rock strength parameters, to calibrate log data.

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