SYSC 4005
Term Project
Date: April 11, 2021
Group: Simulating Discretely

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Chapter 1: Deliverable 1

1.1 Problem Formulation

Using a complete simulation study our team is going to assess the throughput and probability that the inspectors will remain blocked and possibly improve the policy that inspector1 follows when delivering C1 components to the different workstation for the manufacturing facility based on the observed historical data provided by the inspectors and workstations.

1.2 Setting of Objectives and Overall Project Plan (see step 1)

Goals for February 14th - 28th

1. Determine the Project Goals and Objectives.
2. Conceptualize the project by determining the systems states and environment variables.
3. Create the project's UML.
4. Using java to implement the conceptual model a computation model will be created. Buffer, Inspector, and Workstation will each be implemented as their own classes. C1,C2 and C3 will be implemented as Enums. The states of each class will also be Enums.

Goals for February 28th - March 14:

1. Configure input and output files for running the simulation. Input files will determine the time it takes for the Inspector or Workstation to complete a task. The output file will record the states for each workstation, buffer, and inspector every second.
2. Begin preliminary analysis of the output data using histograms. Evaluate the distributions with Q-Q plots. Perform chi-square test for each distribution.

Goals for March 14th - 28th

1. Verify the model is working correctly and validate the simulation model was built right.
2. Run the simulation in production to gain final output values for analysis. The simulation will be replicated multiple times.
3. Determine the confidence interval for the data being analyzed.

Goals for March 28th - April 11

1. Describe alternative design solutions.
2. Compare the initial design with the alternative designs.
3. Write a conclusion and final report.

1.3 Conceptual Model

A conceptual model for this system is illustrated with the current states of the Inspectors (blocked, inspecting), Buffers (empty, partial, full), and WorkStations (waiting, working). These states completely describe the system and its status in real-time.

1.4 Model Translation

Java was chosen as the simulation language because of its object-oriented functionality making it easier to reuse functions for similar objects with the use of inheritance. Additionally, Java provides a multi-threaded functionality which may be beneficial for this simulation if we decide to implement each object to continuously run at the same time. Java also has useful library functions for I/O operations which will be utilized in this project. It is for these reasons Java is an appropriate language to use for this project.

From the conceptual model, the states for each class need to be determined, as such the following is proposed:

- The states for the inspector are: inspecting, blocked.
- The states for the buffers are: empty, partial, full.
- The states for the workstation are: waiting, working.

The model will be implemented in Java. Inspector, Buffer, and Workstation will each be their own class objects. Inspector and Workstation will implement an abstract class called

SimulationObject. SimulationObject will contain the necessary methods to read inputs from a .dat file. Inspector will have two subclasses called Inspector1 and Inspector2 that will implement the required inspector functionalities. Each inspector will have a different getComponent method that is designed based on the components the respective inspector will be inspecting (i.e. C1, C2, or C3). Similarly, WorkStation will also have two subclasses called Workstation2 and Workstation3. WorkStation provides all of the base functionalities of a workstation which are required for all workstations. Workstation will have a method called getComponents which will retrieve the required components from its available buffers. Workstation2 and Workstation3 will override the getComponents method, to retrieve the components which correspond to their requirements. Workstations and Inspectors will contain an ArrayList with the buffer they can access.

The buffers will store the component they hold, and how many it currently has. A main class called Simulator will be responsible for instantiating the class objects and setting up the simulation. It will also be responsible for polling each instantiated object every second to retrieve the objects' states. The Simulator will output the states into a .csv file for analysis later.

1.5 The UML diagram for the simulation is found below:

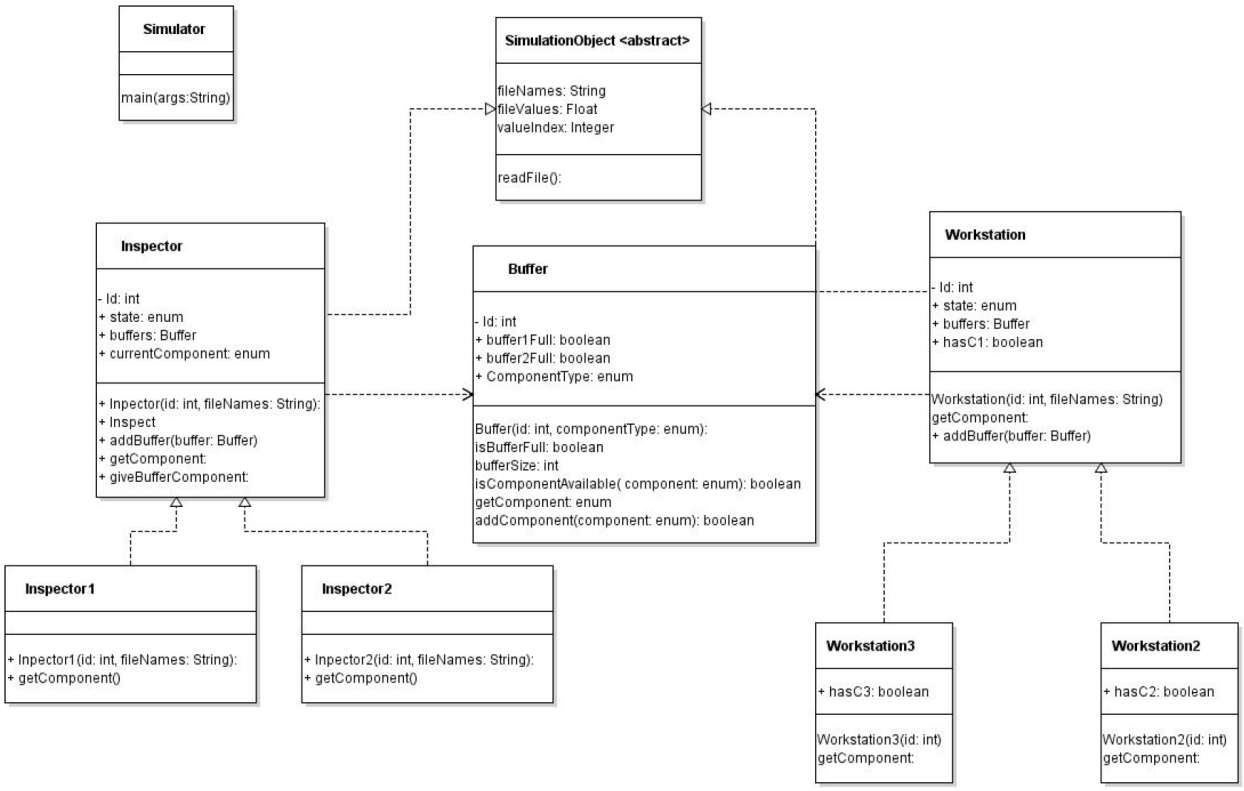


Figure 1.1: UML diagram for the simulation

The source code for the UML diagram can be found at: https://github.com/jonmenard007/SYSC-4005

Chapter 2: Deliverable 2

2.1 Data Collection and Input Modeling

The data collected and input modeling formatted are located in the appendix and will be summarized in this section.

Using Excel and Java's formula for random numbers, we generated 1000 different numbers for 6 different objects (the section below will explain how).

8		Inpsector 1	Inspector 2	Inspector 2 C2 C3 Prob	Workstation 1	Workstation 2	Workstation 3
9	Seed	243	98743453	1789343	392575424	24353	87654
10	X(0)	243	98743453	1789343	392575424	24353	87654
11	RN's						
12	1	0.02177	0.57025	0.29173	0.43020	0.18157	0.85216
13	2	0.62616	0.85116	0.08520	0.15324	0.25939	0.25099
14	3	0.41232	0.35513	0.09979	0.09890	0.26199	0.53152
15	4	0.90882	0.94388	0.04612	0.39023	0.27911	0.88304
16	5	0.83571	0.42960	0.94188	0.56299	0.19210	0.50305
1000	989	0.50124	0.04581	0.68694	0.18426	0.54000	0.68628
1001	990	0.40816	0.10233	0.08382	0.16610	0.11401	0.70442
1002	991	0.79384	0.07535	0.70324	0.04626	0.10244	0.92416
1003	992	0.73933	0.69730	0.39138	0.65530	0.82610	0.27446
1004	993	0.57961	0.80215	0.13311	0.27496	0.00228	0.88641
1005	994	0.32539	0.29422	0.02853	0.36471	0.56506	0.42530
1006	995	0.64760	0.74185	0.73827	0.75707	0.07937	0.28201
1007	996	0.17415	0.09622	0.02261	0.94668	0.87383	0.43626
1008	997	0.84938	0.03506	0.49920	0.59808	0.51730	0.55432
1009	998	0.10591	0.43143	0.24471	0.89730	0.76415	0.63350
1010	999	0.59901	0.44742	0.36510	0.87218	0.59341	0.25607
1011	1000	0.25349	0.75296	0.15969	0.30642	0.46648	0.26506

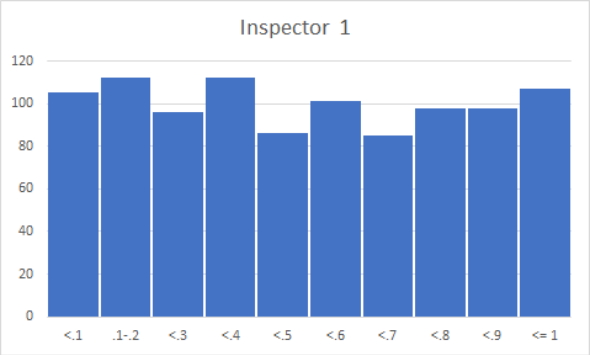
Figure 2.1: Beginning and end of the set of 1000 random numbers which were generated for each object.

The random numbers generated had a lower bound of 0 and an upper bound of 1. A k-value selected was 10 resulting in a bin size of 0.10.

Bin	<.1	<.2	<.3	<.4	<.5	<.6	<.7	<.8	<.9	<= 1	Total
Inspector 1	105	112	96	112	86	101	85	98	98	107	1000
Inspector 2	124	107	109	85	92	99	82	92	106	104	1000
Inspector 2 C2 C3 Prob	108	120	99	95	84	94	99	110	90	101	1000
Workstation 1	98	100	96	111	109	108	99	101	101	77	1000
Workstation 2	114	115	106	102	91	92	89	104	103	84	1000
Workstation 3	92	125	93	102	90	107	93	108	93	97	1000

Table 2.1: Distribution of the random generated values for each object

From the bins the following histograms were created for each LGC and the distributions were hypothesised.



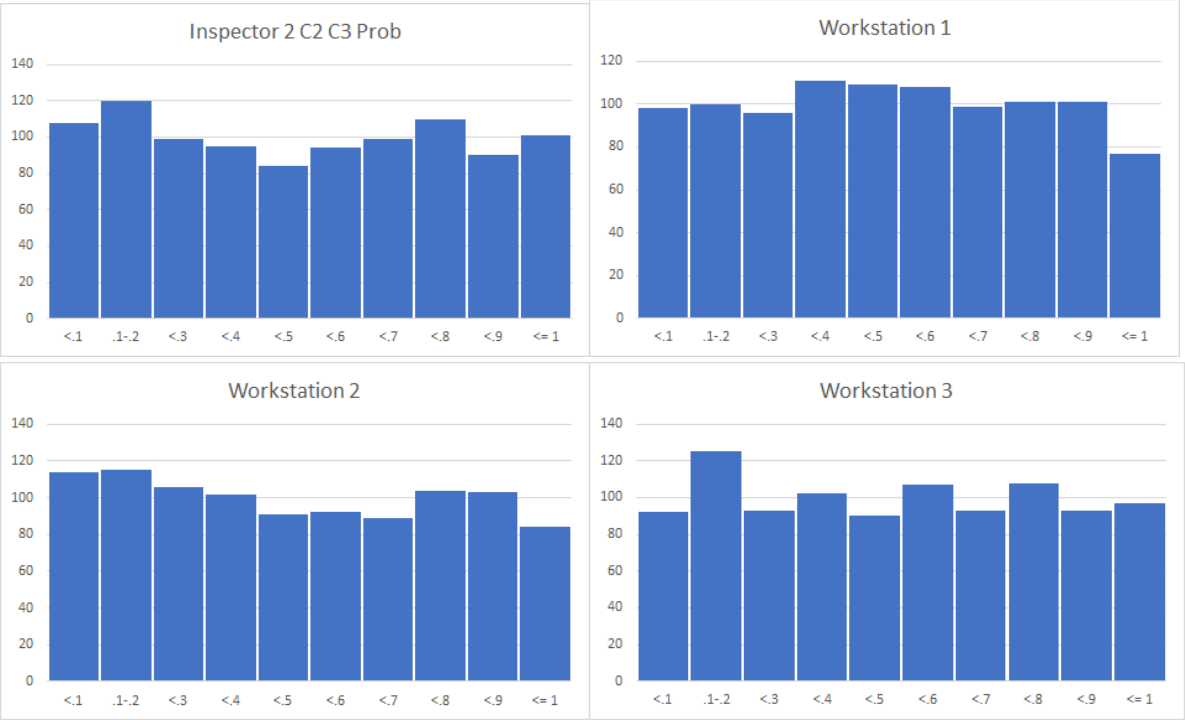


Figure 2.2: Histogram plots show the distribution of each of the objects randomly generated values

Each histogram does not only look similar to each other, but also replicates a uniform distribution. Each dataset was tested to determine the probability of distribution. The probability of each bin was calculated using the equation for a uniform distribution.

$$Uniform\ Distribution\ Equation\ = \frac{a - x}{b - a}$$

$$where\ a\ = 0\ and\ b\ = 1, represents\ the\ upper\ and\ lower\ bound\ values\ of\ the\ bins.$$

The probability of each bin was multiplied against the total sample number to determine the expected frequency.

$$E_i\ = n\ *\ p_i$$

$$where\ n\ = 1000\ and\ p_i\ is\ the\ probability\ for\ each\ bin.$$

To determine the calculated chi-squared value, the amount of occurrence for each bin was subtracted by the expected frequency and was then squared. This was then divided by the expected frequency as shown below.

$$X_0^2\ = (O_i\ - E_i)^2\ /\ E_i$$

The values for each bin were summed together to calculate the total chi-squared number. This was done for each of the 6 LGCs.

Chapter 3: Deliverable 3

3.1 Verification

To verify our model, our group first started by getting a fellow student to review our model. We walked them through the steps we took, and why we chose our design. They were able to agree without design as well as confirm our choices and did not recommend any changes.

3.2 Flow Diagram

The creation of flow diagrams for the major components in the system was used to verify that the functionalities were as we presumed and helped to give a better understanding of the processes occurring in the system.

3.2.1 Workstation Flow Diagram

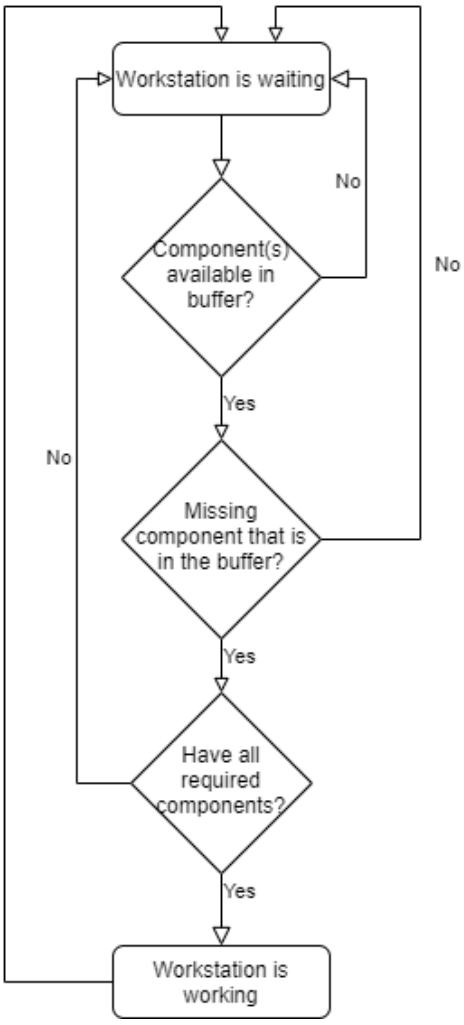


Figure 3.1: Flow diagram representation of the functionalities of the workstations in the system.

3.2.2 Inspector Flow Diagram

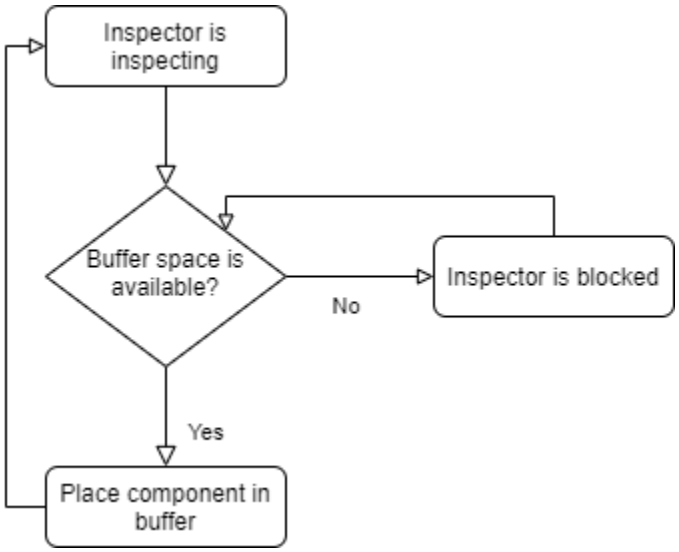


Figure 3.2: Flow diagram representation of the functionalities of the inspectors in the system.

3.3 Input Parameters

After going through the model design we began doing test runs to examine the model outputs and inputs. The inputs were written to a file for each simulation class (inspectors and workstations). The inputs, when compared to the samples provided, followed a similar distribution. When inspecting the outputs, we concluded the model was behaving as expected.

We went through the entire model one more time, properly documenting as we checked the components. This acted as our 5th and final check to verify the model was built correctly.

3.4 Validation

3.4.1 Face Validity

From the observed data that was produced we are able to confirm that all the inputs and outputs matched up as expected. By manually calculating what they should be for a few cycles, we confirmed the model was working correctly.

3.4.2 Validate Model Assumptions

Structural Assumption: We assumed the model ran for 2 hours since the data provided showed the total run times were between 1 hour and 2 hours. Therefore, each of our trials ran for 7200 seconds equivalent to 2 hours.

Data Assumption: By analyzing the sample data provided in the .dat files, we found the mean time for the inputs of each simulation object (Inspector1, Inspector2, Workstation1, Ect.). The average for the inputs were the following:

	Insp 1	Insp 2 C2	Insp 2 C3	WS1	WS 2	WS 3	Total
Mean	10.357	15.53690	20.63275	4.6044166	11.092606	8.79558	11.8367
Lambda	0.0965	0.064362	0.048466	0.2171827	0.0901501	0.1136934	0.084483

Table 3.1: Average input mean and lambda for the sample data

Additionally, when plotting the provided inputs, we discovered they all followed an exponential distribution.

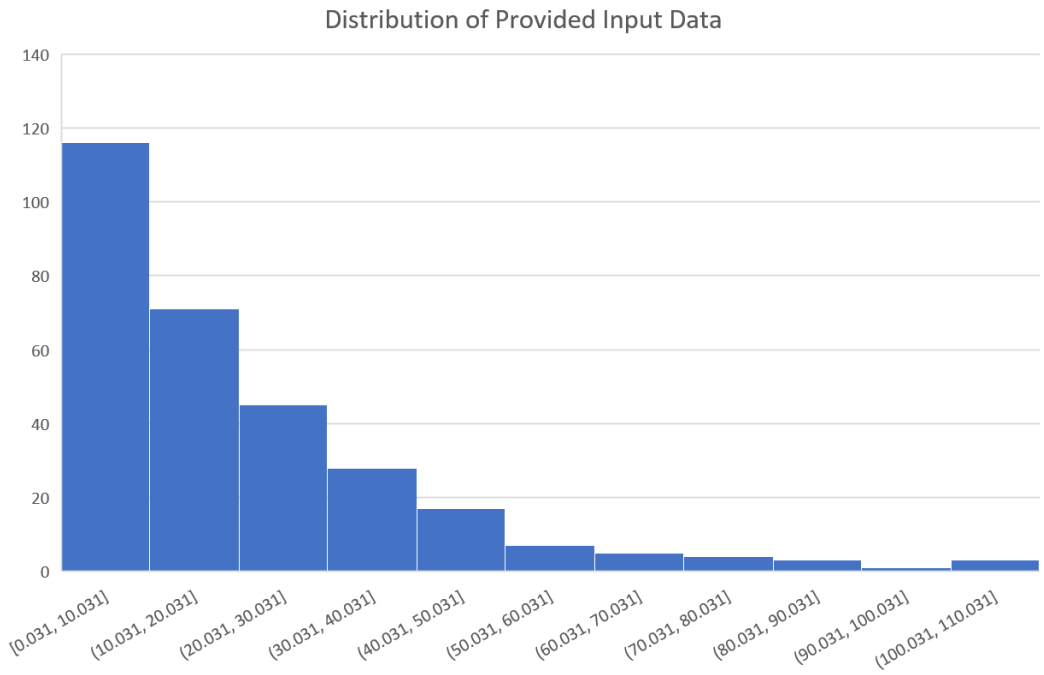


Figure 3.3: Distribution plot for the provided input data

Using the mean for each provided input data, and Equation 1 for the distribution of an exponential equation. We created the proper formulas for generating the inputs for each simulation model.

$$x_i \simeq \frac{-1}{\lambda} ln(r_i) \qquad (1)$$

$\lambda$is equal to 1/the mean
$r_i$is a generated random value

This formula was used every time a simulation object needed a new time for either inspecting or working.

```
/**
 * Gets the next random number.
 *
 * @return the random number
 */
public float getRandomNumber() {
    float randomTime = this.randomNumber.nextFloat() ;
    randomTime = (float) ((-1 / lambda) * (Math.log(randomTime)));
    return randomTime;
}
```

Figure 3.4: Code used to implement the random number equation

To validate the inputs we generated were correct we ran 5 trials and gathered data from all the inputs generated. Shown in Table 2, the mean value of the generated inputs for each simulation object.

	Insp 1	Insp 2 C2	Insp 2 C3	WS1	WS 2	WS 3
1	10.27527	14.54219	16.83981	4.703893764	10.28869	10.0869
2	10.51939	16.73446	20.24589	4.591713762	11.41955	9.840753
3	10.3907	20.36956	22.96274	4.604693053	8.676378	12.38443
4	10.50459	14.76534	21.02882	4.145667131	11.20464	7.966175
5	10.21949	11.50723	18.98501	4.544909726	9.677508	8.101089

Table 3.2: Shows the trials ran to validate the inputs and the mean values that were generated for each simulation

Using a 2-tailed T-test, and a confidence interval of 95%, we compared the generated inputs to the provided ones.

2-tailed T-test Inspector 1 Example

Inspector 1			
Replication	Rn Generated	Total Time	Average Rn value
1	1430	7200	10.27526808
2	1410	7200	10.51938616
3	1309	7200	10.39070304
4	1339	7200	10.50458511
5	1406	7200	10.21948792
Sample Mean			10.38188606
Sample Variance			0.133958598

Table 3.3: Comparison of generated inputs to ones provided using 2-Tailed T-test for inspector 1

H_0	E(Y2) =	10.35791	95 Confidence Interval
H_1	E(Y2) !=	10.35791	
$\underline{y}$	10.38188606		$t_0 = (\underline{y} - \underline{x})/(S/\sqrt{N})$

S	0.133958598		0.400213978
$t_{0.025,4}$	2.776		
0.400213978	<	2.776	Fail to reject H_0

Table 3.4: Hypothesis testing to verify validation input generation

For all 5 simulation objects, we failed to reject the H_0 hypothesis proving our inputs generation was valid.

**Since there is no output data available we are not able to do the error evaluation tests

3.5 Production Runs and Analysis

As mentioned above, each of our simulations ran for a simulated time of 7200 seconds (2 hours).

The confidence interval we will be using is 95%, as mentioned in the project outline.

We ran each simulation 5 times and gathered the results from each. To analyze the data, we compared the time each simulation object was blocked in each trial.

$t_{0.025,4}$	2.776

Time Blocked

	Inspector 1	Inspector 2	Workstation 1	Workstation 2	Workstation 3
1	0	5826.24	1731.09	6587.3	6751.25
2	0	5855.25	1669.18	6835.95	6804.94
3	0	5582.41	1757.13	6790.75	6734.89

4	0	5996.42	1583.87	6806.35	6882.15
5	0	6120.21	1682.54	6723.52	6915.09
W_Q	0	5876.106	1684.762	6748.774	6817.664
SE	0	202.0155641	66.72769792	99.23236937	79.17468712
$t_{0.025,4} \times \frac{SE}{\sqrt{N}}$	0	250.7952404	82.84009757	123.1935076	98.29259828
	0 ± 0	5876.106 $\pm$250.7952404	1684.762 $\pm$ 82.84009757	6748.774 $\pm$ 123.1935076	6817.664 $\pm$ 98.29259828

Table 3.5: Average time blocked for each simulation run

Since all 5 simulation objects have a plus or minus range less than 5%, we can say with 95% certainty that the number of simulation replications we have chosen provides adequate data for proper analysis.

Chapter 4: Deliverable 4

4.1 An Alternative Operating Policy

The alternative operating policy our team proposes is to change how Inspector 1 delivers component C1 to its buffers. Currently, C1 is distributed to the buffer with the least amount of components and in the case of a tie, buffer 1 has the highest priority, and buffer 3 has the lowest. For our alternative operating policy, we want to change Inspector 1 to have the following distribution plan (**Figure 4.1**).

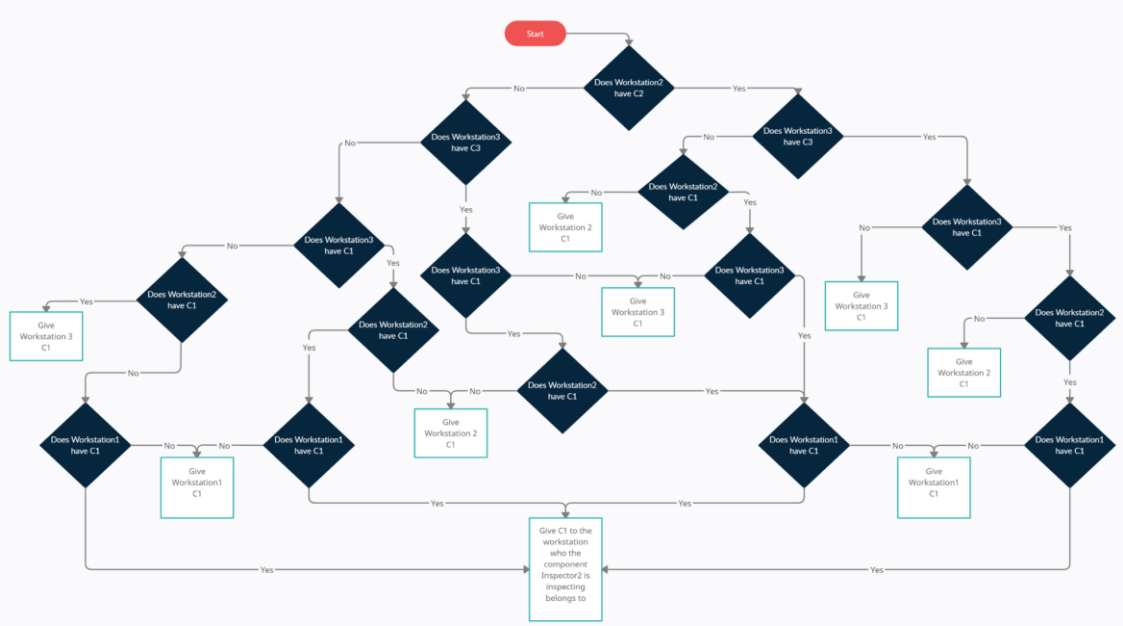


Figure 4.1: Flowchart showing the logic used in the newly designed algorithm

Inspector 1 will first check to see if either Workstation 2 or Workstation 3 has received the other part needed to construct their component from Inspector 2. If they do, and they are waiting to receive a C1 then Inspector 1 will give a C1 component so the product can be assembled. Workstation 2 will take priority over Workstation 3 if both are found to have their required component that is not C1. In the case, both Workstation 2 and 3 are both missing the other component (C2/C3) but both have C1, then Workstation 1 will get the C1 component from Inspector 1. If all three workstations already have a C1 component, then Inspector 1 will check to see what component Inspector 2 is inspecting, and give the C1 component to the corresponding workstation that matches the type. If that workstation is full then Workstation 1 will receive the C1 component.

We have designed our algorithm to maximize throughput and minimize the probability an inspector is blocked. In the original algorithm, Inspector 2 was blocked over 70% of the time, while Inspector 1 was never blocked. Our algorithm focuses on ensuring Inspector 2 is minimally blocked and is utilized as close to 100% of the time as possible. By achieving higher inspector utilization, the product throughput will increase as well.

The alternative operating policy is implemented in our Java codebase in Inspector 1's giveBufferComponent() method. The function checks Workstations 2 and 3 to determine if they have a C1 component, and/or their other required component. The function also checks to see if Workstation 1 has any C1 components. With those results, the function iterates through Figure 4.1's flowchart using if-else statements.

4.2 Comparing Alternative Operating Policies

To compare the two operating policies, 25 trials were run for each policy.The probability of Inspector 1 and Inspector 2 being blocked, as well as the throughput of items created per second were used to measure the performance of each policy. Running 25 trials resulted in the following metrics.

Original	Insp1 Blocked Probability	Insp2 Blocked Probability	Items Made	Throughput
Y1	0	0.783571	693.8	0.096464328
S^2	0	0.001558	503.583	9.80226E-06

Alternative	Insp1 Blocked Probability	Insp2 Blocked Probability	Items Made	Throughput
Y2	0.031772452	0.01853771	1194.36	0.165981138
S^2	3.49122E-05	0.00021385	1159.99	2.25562E-05

By comparing the two policies using independent sampling with equal variances, we resulted in the following confidence intervals.

	Insp1 Blocked Probability	Insp2 Blocked Probability	Items Made	Throughput
T,0.025,48	2.011			
Y1-Y2	-0.031772452	0.7650	-500.56	-0.06951681
S^2_p	1.74561E-05	0.00088771	831.7867	1.61792E-05
SE(Y1-Y2)	4.93733E-06	0.00025108	235.2648	4.57618E-06
±	9.92898E-06	0.00050493	473.1175	9.2027E-06
CI	-0.03±0.00001	0.77±0.0005	-501±473	-0.070±0.00001
	Fully < 0	Fully > 0	Fully < 0	Fully < 0
Conclusion	With 95% confidence, Inspector1 blocked probability is greater in the alternative policy	With 95% confidence, Inspector2 blocked probability is smaller in the alternative policy	With 95% confidence, items made is greater in the alternative policy	With 95% confidence, the item throughput is greater in the alternative policy

By analyzing this chart, it shows that with 95% confidence the alternative policy has a higher probability of being blocked for Inspector 1, a low probability of being blocked for Inspector 2, a higher number of items made, and higher throughput of items per second. While the Inspector 1 probability of being blocked is higher, it is only a difference of 0.03%, which is negligible

4.3 Discussing Results

In the original policy being used the probability of Inspector 1 and 2 being blocked were 0 and 0.783571 respectively. The alternative policy which our group designed gives Inspector 1 and 2 a 0.031772452 and 0.01853771 probability of being blocked, respectively. While Inspector 1's probability of being in a blocked state does increase slightly it is offset by the large decrease that Inspector 2's probability of being blocked experiences. By having low probability values for each of the Inspectors being in a blocked state the throughput of the system is greatly increased as more products are able to be created by the workstations. The throughput value nearly doubles between policies from 0.096464328 to 0.165981138. This shows that the policy changes which were made had a large positive impact on the performance of the system.

4.4 Conclusion

Our group believes that implementing the new policy for the facility would be a positive change and result in increased production efficiency, as shown when comparing policies in **Section 4.2**. When maximizing the efficiency of a process the throughput and utilization of components in the system need to be as close to 1 (constantly working) as possible and this is achieved with our alternative policy.

Milestone 4 Appendix

ORIG	I1 BT	I2 BT	TT	I1 BP	I2 BP	WS1	WS2	WS3	TM	TM/TT
1	0	5296.6	7190	0	0.73667374	617	40	41	698	0.097080087
2	0	5448.1	7188	0	0.75798382	627	40	50	717	0.099754301
3	0	5180.5	7190	0	0.72056025	608	44	48	700	0.097362857
4	0	5904.1	7193	0	0.82085819	621	46	29	696	0.096766524
5	0	5766.2	7200	0	0.80090255	640	40	27	707	0.098200036
6	0	5621.8	7197	0	0.78107941	595	53	37	685	0.095172596
7	0	5159.2	7188	0	0.71773344	652	49	50	751	0.104477217
8	0	5572.2	7198	0	0.77414949	584	47	33	664	0.092250794
9	0	5790.5	7181	0	0.80637664	609	26	31	666	0.092746035
10	0	5605.9	7199	0	0.77866057	614	49	37	700	0.097231
11	0	6230.4	7197	0	0.8656474	609	32	25	666	0.092534315
12	0	5938.4	7187	0	0.82626602	622	40	32	694	0.096562164
13	0	6044.5	7193	0	0.84028932	577	42	28	647	0.08994456
14	0	5552.4	7183	0	0.77294824	620	46	51	717	0.099814293
15	0	5766.6	7195	0	0.80147519	623	45	41	709	0.098540379
16	0	5917.4	7191	0	0.82293386	619	41	34	694	0.096515029
17	0	5587.5	7197	0	0.77637332	597	43	44	684	0.09504026
18	0	5708.3	7198	0	0.79308879	636	42	32	710	0.098644267
19	0	5380.8	7187	0	0.7486872	618	44	50	712	0.099068588
20	0	5158.1	7199	0	0.71654488	616	56	40	712	0.098908121
21	0	5927.3	7187	0	0.82466431	605	32	33	670	0.09321778
22	0	5738.4	7192	0	0.79791095	584	37	43	664	0.09232763
23	0	5284.8	7197	0	0.73427943	600	37	53	690	0.095869817
24	0	5681.3	7184	0	0.79084804	632	40	28	700	0.097441194
25	0	5632.6	7198	0	0.78253005	609	42	41	692	0.09613835
Y1	0	5635.8	7192	0	0.78357861	613.36	42.1	38.32	693.8	0.096464328
S^2	0	80822	31.5	0	0.00156158	315.74	42.4	73.98	503.5833	9.80226E-06

ALT	I1 BT	I2 BT	TT	I1 BP	I2 BP	WS1	WS2	WS3	TM	TM/TT
1	224.2	222.9	7194	0.031169246	0.03098437	824	206	179	1209	0.168057882
2	271.7	215.64	7198	0.037741275	0.02995741	773	199	178	1150	0.159761719
3	270.2	112.23	7200	0.037535921	0.015588	812	190	203	1205	0.167366458
4	248.3	41.67	7199	0.034483046	0.00578815	868	189	195	1252	0.173908454
5	188.8	179.15	7198	0.026232943	0.02488948	757	193	183	1133	0.157408771
6	210.8	100.31	7200	0.029276423	0.01393262	806	193	187	1186	0.16473023
7	167.4	168.45	7198	0.023249643	0.02340107	787	191	224	1202	0.166981783
8	215.2	62.8	7198	0.029895389	0.00872452	859	159	199	1217	0.169072394
9	298.5	109.58	7200	0.041460176	0.01522012	833	167	200	1200	0.166674074
10	219	467.35	7198	0.030422714	0.06492559	755	201	200	1156	0.160594812
11	221.1	13.15	7197	0.030722846	0.00182709	783	188	207	1178	0.163673625
12	223.6	294.78	7199	0.03105289	0.04094548	736	189	200	1125	0.156264541
13	150.7	45.78	7187	0.020968824	0.00636996	776	197	180	1153	0.160431677
14	189.4	3.31	7182	0.026372106	0.00046086	816	175	192	1183	0.164712533
15	274.9	77.03	7198	0.038187315	0.01070167	798	189	207	1194	0.165880794
16	268.7	27.82	7198	0.037337653	0.0038652	817	181	188	1186	0.164778064
17	257.1	23.81	7192	0.035740355	0.00331042	864	186	182	1232	0.171291205
18	155.2	240.13	7198	0.0215537	0.03335927	787	222	192	1201	0.16684495
19	192.4	168.12	7199	0.026728044	0.02335266	830	197	200	1227	0.170436077
20	262	95.07	7199	0.03639033	0.01320519	753	184	211	1148	0.159456847
21	245.1	226.95	7182	0.034126366	0.03159926	819	217	193	1229	0.171119153
22	190	64.89	7200	0.02638794	0.00901265	813	216	197	1226	0.170280616
23	246	109.08	7187	0.034226627	0.01517844	817	192	207	1216	0.169205915
24	308.3	156.78	7193	0.042861115	0.02179619	820	203	207	1230	0.170999583
25	217.3	108.33	7199	0.030188417	0.01504698	800	205	216	1221	0.169596289
Y2	228.6	133.4	7196	0.031772452	0.01853771	804.12	193	197.1	1194.36	0.165981138
S^2	1809	11077	30.4	3.49122E-05	0.00021385	1183.4	209	142	1159.99	2.25562E-05

Milestone 3-1 Appendices

Provided Inputs

	Insp 1	Insp 2 C2	Insp 2 C3	WS 1	WS 2	WS 3	Total	
Total Time	3104.347	4656.531	6180.868	1376.48	3316.024	2625.23		11.83669556
Average	10.35791	15.536903	20.632757	4.60442	11.09261	8.79558		11.83669556
Lambda	0.0965446	0.0643629	0.0484666	0.21718	0.09015	0.113693469		

Generated Inputs

Replication	Insp 1	Insp 2 C2	Insp 2 C3	WS 1	WS 2	WS 3
1	10.275268	14.542185	16.839813	4.70389	10.28869	10.08690037
2	10.519386	16.734455	20.245886	4.59171	11.41955	9.840752827
3	10.390703	20.369555	22.96274	4.60469	8.676378	12.38442704
4	10.504585	14.76534	21.028818	4.14567	11.20464	7.966174598
5	10.219488	11.507227	18.985011	4.54491	9.677508	8.101089153

Inspector 1 T-Test

Replication	Total Time	Average Rn value
1	7200	10.275268
2	7200	10.519386
3	7200	10.390703
4	7200	10.504585
5	7200	10.219488
Sample Mean		10.381886
Sample Variance		0.1339586

H0	E(Y2) = 11.8	10.35791	95 Confiedence Interval
H1	E(Y2) != 11.8	10.35791	

y-bar	10.381886	t0 = y-bar - mean / (S / sqrt(N)
S	0.1339586	0.400214
t,0.025,4	2.776	

0.400214	<	2.776	Fail to reject H0

Inspector 2 C2 T-Test

Replication	Rn Generate	Total Time	Average Rn value
1	1430	7200	14.542185
2	1410	7200	16.734455
3	1309	7200	20.369555
4	1339	7200	14.76534
5	1406	7200	11.507227
Sample Mean			15.583753
			3.2634625

H0	E(Y2) =	#REF!	95 Confiedence Interval
H1	E(Y2) !=	#REF!	
y-bar	15.583753		t0 = y-bar - mean / (S / sqrt(N)
S	3.2634625		#REF!
t,0.025,4	2.776		
#REF!	<	2.776	Fail to reject H0

Inspector 2 C3 T-Test

Replication	Rn Generate	Total Time	Average Rn value
1	1430	7200	16.839813
2	1410	7200	20.245886
3	1309	7200	22.96274
4	1339	7200	21.028818
5	1406	7200	18.985011
Sample Mean			20.012454
Sample Variance			2.2865347

H0	E(Y2) =	20.632757	95 Confiedence Interval
H1	E(Y2) !=	20.632757	
y-bar	20.012454		t0 = y-bar - mean / (S / sqrt(N)
S	2.2865347		-0.606612
t,0.025,4	2.776		
0.6066122	<	2.776	Fail to reject H0

WorkStation 1 T-Test

Replication	Rn Generate	Total Time	Average Rn value
1	1430	7200	4.7038938
2	1410	7200	4.5917138
3	1309	7200	4.6046931
4	1339	7200	4.1456671
5	1406	7200	4.5449097
Sample Mean			4.5181755
Sample Variance			0.2161375

H0	E(Y2) =	4.6044167	95 Confiedence Interval
H1	E(Y2) !=	4.6044167	

y-bar	4.5181755	t0 = y-bar - mean / (S / sqrt(N)
S	0.2161375	-0.892215
t,0.025,4	2.776	

0.8922152	<	2.776	Fail to reject H0

WorkStation 2 T-Test

Replication	Rn Generate	Total Time	Average Rn value
1	1430	7200	10.288685
2	1410	7200	11.419552
3	1309	7200	8.6763777
4	1339	7200	11.204638
5	1406	7200	9.6775083
Sample Mean			10.253352
Sample Variance			1.1274596

H0	E(Y2) =	11.092607	95 Confiedence Interval
H1	E(Y2) !=	11.092607	

y-bar	10.253352	t0 = y-bar - mean / (S / sqrt(N)
S	1.1274596	-1.664476
t,0.025,4	2.776	

1.6644762	<	2.776	Fail to reject H0

WorkStation 3 T-Test

Replication	Rn Generat	Total Time	Average Rn value
1	1430	7200	10.0869
2	1410	7200	9.8407528
3	1309	7200	12.384427
4	1339	7200	7.9661746
5	1406	7200	8.1010892
Sample Mean			9.6758688
Sample Variance			1.7982913

H0	E(Y2) =	8.79558	95 Confiedence Interval
H1	E(Y2) !=	8.79558	

y-bar	9.6758688	t0 = y-bar - mean / (S / sqrt(N)
S	1.7982913	1.0945866
t,0.025,4	2.776	

1.0945866	<	2.776	Fail to reject H0

Gathered Data from replications

			BLOCKED TIME		
Replication	Insp 1	Insp2	WS 1	WS 2	WS 3
1	0	5826.24	1731.09	6587.3	6751.25
2	0	5855.25	1669.18	6835.95	6804.94
3	0	5582.41	1757.13	6790.75	6734.89
4	0	5996.42	1583.87	6806.35	6882.15
5	0	6120.21	1682.54	6723.52	6915.09
WQ	0	5876.106	1684.762	6748.77	6817.664
SE	0	202.01556	66.727698	99.2324	79.17469
	0	250.79524	82.840098	123.194	98.2926

t,0.025,4	2.776

Insp 1	Insp2C2	Insp2C3	WS 1	WS 2	WS 3
10.16	15.24	102.108	0.85	13.43	23.858
13.508	20.262	3.819	0.476	6.808	9.536
1.586	2.38	6.617	3.016	0.32	2.397
16.705	25.057	48.184	7.33	49.324	7.597
4.552	6.828	18.066	0.956	1.872	13.63
5.818	8.727	4.097	4.197	5.728	4.384
0.362	0.543	41.307	0.951	13.989	3.936
7.095	10.642	22.029	0.242	8.321	3.637
8.989	13.484	0.302	3.259	14.654	9.539
0.358	0.537	38.12	3.342	0.863	34.879
2.256	3.384	8.254	10.956	2.131	1.801
33.691	50.537	35.57	7.002	7.884	0.844
12.34	18.511	1.608	1.746	0.282	6.604
28.015	42.023	15.311	0.289	6.586	10.283
3.853	5.78	30.442	3.514	10.234	15.847
14.182	21.273	19.292	2.495	2.114	6.015
5.869	8.804	39.723	1.823	1.202	0.102
16.519	24.779	8.781	6.069	4.513	45.125
1.221	1.832	18.919	1.44	5.831	0.494
32.107	48.16	14.258	4.102	2.692	5.717
6.876	10.314	18.074	8.803	40.362	3.249
24.597	36.896	69.159	0.619	3.767	7.275
7.583	11.374	26.52	6.377	4.769	4.28
14.206	21.309	33.306	0.394	5.21	24.111
8.532	12.798	10.838	3.517	0.913	8.471
0.6	0.899	3.861	1.351	9.361	1.895
2.937	4.406	68.786	7.333	12.917	19.723
4.889	7.334	25.303	6.832	0.468	27.434
7.721	11.581	14.965	17.956	6.871	2.578
1.638	2.457	5.801	0.479	2.613	6.778
5.4	8.1	5.687	8.436	0.835	14.256
1.532	2.298	9.703	1.403	1.434	9.297
9.969	14.953	8.384	1.13	1.472	5.791
19.93	29.895	2.913	4.808	1.37	15.673
8.47	12.706	12.134	2.528	20.132	0.872
7.11	10.665	29.083	12.246	4.545	17.318
32.939	49.409	24.11	3.237	13.503	6.868
37.381	56.072	40.541	9.86	0.116	18.198
2.844	4.266	58.456	0.282	31.963	19.103
10.466	15.698	5.895	3.049	2.543	2.725
12.92	19.38	5.523	1.078	10.428	9.514
3.921	5.882	52.122	1.038	42.376	1.32
11.574	17.361	2.321	9.927	9.878	1.832
14.925	22.388	9.171	8.828	7.949	8.646
17.833	26.749	12.484	16.311	16.226	20.592

6.555	9.832	8.126	2.621	38.964	7.676
8.242	12.363	15.015	1.075	17.119	3.899
1.934	2.901	0.137	8.524	3.93	1.51
27.983	41.974	3.142	5.665	12.838	1.241
8.259	12.389	24.17	14.579	5.791	8.924
15.521	23.281	17.23	3.924	5.005	3.891
23.239	34.859	1.216	0.453	6.047	4.94
0.502	0.752	1.502	4.059	23.69	5.76
16.238	24.358	17.055	2.947	14.942	5.501
12.832	19.249	15.432	3.425	10.895	7.236
4.911	7.366	8.463	5.891	20.084	0.69
1.612	2.418	7.142	1.738	11.664	0.505
15.423	23.135	26.639	3.072	12.347	4.872
4.344	6.516	15.69	0.789	40.806	15.329
7.25	10.874	4.166	2.167	1.643	4.01
8.925	13.388	9.604	9.226	1.247	21.526
6.403	9.605	8.978	0.55	5.545	2.714
3.426	5.139	62.322	4.293	51.228	34.657
22.305	33.458	2.465	16.603	4.792	3.917
1.745	2.617	6.302	3.226	6.404	3.065
5.432	8.148	3.182	8.873	28.775	9.16
10.79	16.185	75.712	1.106	1.117	0.271
4.411	6.617	12.432	0.85	5.735	1.636
0.475	0.712	39.431	0.62	4.852	15.85
17.275	25.912	34.526	5.811	10.506	16.911
2.193	3.29	18.217	0.25	1.227	8.62
36.744	55.117	43.444	10.273	6.06	10.159
1.679	2.519	8.746	0.636	8.746	2.592
3.389	5.084	22.568	6.62	0.982	22.304
1.504	2.256	4.171	2.23	7.661	9.31
0.496	0.745	1.299	1.519	6.672	6.716
6.426	9.639	49.281	16.522	9.506	7.885
6.051	9.076	104.019	3.289	14.441	5.488
13.76	20.641	7.975	23.085	12.769	0.861
22.71	34.065	1.769	2.557	1.2	4.761
5.981	8.971	7.546	4.119	2.12	0.808
20.618	30.927	15.39	3.56	15.451	20.673
7.257	10.885	23.819	3.856	1.01	3.759
5.562	8.343	7.487	4.378	12.118	23.791
8.296	12.444	14.585	0.732	6.873	3.59
14.946	22.418	12.345	5.092	52.283	0.138
5.481	8.221	1.829	1.212	13.81	9.034
14.266	21.399	24.685	1.335	0.861	6.154
8.506	12.76	10.785	10.089	21.159	1.434
9.848	14.772	7.703	1.934	1.232	17.485
14.857	22.285	48.552	8.563	48.12	5.192
5.656	8.484	49.729	5.604	9.56	0.917

1.248	1.872	3.489	7.104	4.596	4.673
9.05	13.575	0.68	0.582	29.771	6.526
6.866	10.299	25.754	2.272	0.791	17.151
26.176	39.264	17.911	1.621	1.77	20.613
10.272	15.408	30.82	2.878	0.927	13.729
4.258	6.387	67.928	2.37	2.591	3.65
26.898	40.347	19.987	1.234	0.693	3.532
8.334	12.501	28.748	7.469	8.917	31.206
18.29	27.434	2.319	8.894	5.476	0.338
15.151	22.726	14.25	5.259	8.489	5.472
6.448	9.672	21.105	8.227	27.815	3.465
0.1	0.151	5.253	6.546	7.517	9.102
0.694	1.041	1.434	12.889	13.188	5.211
9.621	14.432	32.336	1.222	25.369	18.582
10.043	15.065	8.469	1.299	8.907	10.98
23.592	35.388	6.481	2.801	33.727	2.585
5.811	8.716	80.815	0.288	1.926	3.785
37.309	55.964	13.217	10.838	15.997	3.726
4.043	6.064	7.389	2.134	14.847	35.377
5.412	8.118	4.056	6.66	4.375	3.869
8.159	12.239	10.789	3.044	0.376	0.775
3.747	5.621	19.74	0.255	0.97	14.523
7.855	11.782	8.673	1.079	3.996	9.583
11.665	17.498	8.699	5.23	39.487	6.642
0.556	0.834	19.832	17.517	7.842	9.691
4.97	7.455	5.091	2.841	0.106	2.491
8.482	12.722	11.378	7.085	6.189	3.954
6.326	9.489	0.384	4.384	4.137	5.364
5.909	8.863	29.602	1.012	0.106	22.692
1.691	2.537	43.01	0.931	0.314	0.638
8.324	12.486	23.743	3.376	0.742	6.12
6.002	9.003	36.02	5.37	25.352	22.695
33.024	49.536	8.023	2.491	10.734	1.685
10.328	15.492	19.18	0.518	14.061	5.184
0.981	1.472	3.344	0.589	1.304	7.643
0.651	0.977	36.394	3.231	4.331	15.424
3.877	5.815	12.914	0.688	32.313	5.298
4.336	6.504	40.394	2.75	10.595	1.603
19.641	29.461	46.984	3.688	5.56	5.535
13.311	19.967	16.809	1.056	51.207	4.078
10.311	15.466	7.381	1.023	11.17	17.802
10.983	16.475	3.475	0.643	14.561	0.839
20.949	31.424	43.325	13.661	17.072	2.018
25.267	37.901	8.668	9.763	26.206	0.835
37.728	56.592	3.964	2.188	0.091	14.1
3.214	4.822	0.327	6.766	11.769	0.73
11.744	17.615	16.183	3.692	4.26	2.122

4.421	6.631	0.214	2.126	0.578	4.074
1.223	1.835	15.894	1.961	4.816	13.383
11.393	17.089	0.686	3.385	2.441	51.418
6.435	9.653	0.941	0.94	10.366	21.207
4.733	7.1	14.902	1.876	3.411	5.444
11.113	16.669	1.644	2.908	0.149	4.544
2.477	3.715	5.871	6.719	7.162	3.809
0.74	1.11	20.016	0.987	1.015	1.211
2.665	3.998	10.353	0.11	4.448	4.224
9.424	14.136	53.824	1.685	5.359	7.802
2.551	3.826	5.168	2.012	2.78	4.848
3.835	5.752	17.382	15.429	3.808	21.256
13.873	20.809	30.482	0.069	18.683	0.736
11.943	17.915	11.945	1.626	4.378	36.023
2.425	3.638	10.235	2.306	4.491	1.27
2.562	3.843	25.383	0.33	8.539	5.056
15.129	22.693	14.417	11.125	1.074	11.569
7.995	11.992	23.294	6.78	8.139	5.649
3	4.5	25.965	1.972	9.927	24.622
18.311	27.466	7.124	1.094	1.385	2.645
2.993	4.49	29.565	6.806	3.2	0.414
3.162	4.744	14.045	0.906	1.954	16.67
23.558	35.337	20.36	5.206	44.032	4.56
20.274	30.41	83.199	10.389	1.837	1.14
19.603	29.404	51.818	16.168	26.801	0.91
18.189	27.283	3.206	4.239	7.338	3.638
3.761	5.642	29.055	1.32	11.243	4.748
5.104	7.655	0.577	23.28	18.625	23.168
7.148	10.721	24.111	3.214	4.146	18.546
12.976	19.464	16.317	1.341	5.117	5.454
6.599	9.898	1.053	2.807	4.866	1.116
3.392	5.088	103.123	3.417	4.83	11.108
3.643	5.465	47.315	5.569	2.11	7.916
6.144	9.216	34.535	1.001	38.008	3.21
12.528	18.791	3.088	2.897	2.265	31.8
0.351	0.526	16.92	8.599	1.505	10.997
8.044	12.067	5.029	3.553	27.452	8.207
0.266	0.4	14.024	0.951	2.428	4.358
11.942	17.913	4.842	1.54	1.414	7.381
2.873	4.309	7.96	9.882	0.74	14.058
76.284	114.426	35.529	4.373	8.316	3.215
5.126	7.689	30.409	0.766	0.281	6.876
20.11	30.165	18.156	4.582	8.973	0.794
0.114	0.171	13.253	4.462	8.578	23.236
6.546	9.819	45.269	1.035	0.15	4.874
8.726	13.089	18.805	1.535	14.074	6.636
24.455	36.682	39.179	1.775	11.214	9.192

12.358	18.537	0.256	5.184	10.721	4.564
7.217	10.826	3.611	4.61	8.99	7.078
21.171	31.757	8.811	0.726	13.489	4.298
9.1	13.65	5.625	1.885	6.556	10.297
2.208	3.311	22.087	3.053	4.12	30.01
9.486	14.229	4.5	0.833	46.078	20.158
4.98	7.47	19.096	6.837	2.966	8.758
2.787	4.181	17.611	1.402	8.631	3.493
4.102	6.152	28.846	6.894	32.205	1.917
3.819	5.729	0.34	7.72	3.672	7.151
21.227	31.84	3.163	1.193	28.432	14.822
8.41	12.615	1.868	10.825	2.329	3.825
2.803	4.204	28.901	3.319	20.006	8.364
2.591	3.886	2.561	1.033	7.181	11.39
6.675	10.013	3.317	3.171	4.643	1.53
13.2	19.8	21.16	2.704	18.603	0.856
19.175	28.762	0.903	4.664	1.391	5.429
7.801	11.702	5.637	6.067	1.084	13.194
0.121	0.181	8.361	2.291	42.999	1.72
13.595	20.393	17.135	0.717	22.356	7.555
8.589	12.884	9.167	0.572	5.896	1.713
19.933	29.9	6.505	4.485	25.156	0.436
11.684	17.526	12.852	10.919	35.546	5.866
9.539	14.309	34.494	8.888	10.993	6.016
2.037	3.055	54.195	1.876	3.582	19.72
3.746	5.619	2.965	2.174	3.41	12.604
11.178	16.767	8.889	2.752	59.078	3.143
25.288	37.931	5.074	1.594	6.729	0.52
2.265	3.398	1.135	2.583	0.527	6.324
1.934	2.901	20.923	0.856	9.641	4.491
11.581	17.371	13.492	2.043	39.473	3.282
9.746	14.619	6.102	2.174	4.753	10.925
5.466	8.2	33.044	3.947	8.79	2.593
10.267	15.401	20.554	5.36	36.736	7.384
7.54	11.31	30.954	1.279	24.477	15.846
4.016	6.025	7.65	9.485	2.195	1.115
4.066	6.099	5.003	0.999	0.734	11.479
4.534	6.801	34.84	5.534	3.055	0.708
5.342	8.013	2.748	5.125	37.883	6.331
4.59	6.885	15.016	13.089	11.66	2.431
9.058	13.587	36.348	1.893	16.891	13.2
21.477	32.216	3.708	3.557	0.092	12.298
3.662	5.493	20.96	0.849	8.706	32.321
3.506	5.259	21.246	6.861	25.086	0.862
16.874	25.311	26.128	10.744	5.225	15.185
1.74	2.611	37.202	26.34	3.831	2.526
14.117	21.175	99.448	0.197	5.976	2.034

15.15	22.725	17.484	9.771	9.246	8.654
3.141	4.712	6.796	3.65	0.924	4.55
13.825	20.738	60.781	2.378	0.203	22.042
22.239	33.359	72.038	15.196	6.005	5.827
29.293	43.94	8.934	1.396	5.407	17.749
4.58	6.87	9.351	1.772	12.696	0.507
4.621	6.932	17.591	6.415	7.003	5.488
8.043	12.065	8.587	2.528	0.498	1.941
9.351	14.026	46.647	0.845	15.218	1.869
27.073	40.609	20.69	1.844	2.204	17.868
22.131	33.197	70.617	3.388	2.044	15.891
13.903	20.854	22.473	9.261	5.565	29.36
0.087	0.13	29.259	0.807	26.642	4.719
10.441	15.661	3.381	0.444	8.201	1.935
51.216	76.825	25.398	2.306	1.811	15.344
25.395	38.092	10.56	7.154	16.63	10.198
40.25	60.375	19.995	14.138	12.715	26.243
2.486	3.729	15.576	1.632	7.447	7.062
0.418	0.628	11.519	4.185	8.394	0.816
10.701	16.051	28.6	29.375	26.098	7.306
10.406	15.609	8.841	21.555	15.258	5.305
1.24	1.86	9.289	0.587	0.368	6.164
22.454	33.682	5.254	0.789	4.317	10.604
22.374	33.561	57.425	1.151	8.628	3.128
0.486	0.729	32.438	12.69	51.425	5.529
26.75	40.125	14.051	3.013	1.014	1.421
12.721	19.081	37.688	0.581	31.048	3.9
13.121	19.681	35.654	1.649	6.683	16.606
4.676	7.014	27.942	1.421	14.155	0.991
12.675	19.012	14.38	4.616	12.319	7.727
0.334	0.501	13.748	1.701	20.112	29.885
4.484	6.726	4.079	0.007	22.997	5.808
10.404	15.607	19.278	12.599	27.177	15.971
20.623	30.935	14.382	0.497	11.596	1.991
6.949	10.424	17.793	1.627	9.257	1.529
15.821	23.731	48.002	2.017	4.639	1.117
0.2	0.299	31.458	6.107	27.847	10.459
4.749	7.124	76.847	0.582	5.702	0.45
3.172	4.759	52.816	15.017	8.152	18.491
4.125	6.188	1.39	0.486	8.846	1.145
0.785	1.178	32.426	3.204	9.211	11.916
7.095	10.643	8.983	1.976	15.882	4.014
18.493	27.739	2.463	1.807	15.407	2.735
0.387	0.58	16.793	14.344	21.882	29.739
14.618	21.927	21.209	7.875	6.239	5.92
3.651	5.477	18.408	1.634	2.632	41.553
13.202	19.803	3.889	5.368	12.538	4.602

7.52	11.279	28.82	10.995	8.503	7.414
22.654	33.981	0.031	3.363	9.156	6.408
5.423	8.134	37.815	4.101	9.336	6.94
6.544	9.816	23.175	3.269	14.754	7.88
58.309	87.463	9.712	7.148	11.351	1.318
2.859	4.289	0.844	0.216	0.143	9.166
1.249	1.874	85.454	2.907	0.257	2.182
12.806	19.209	45.981	1.991	2.388	2.402
2.431	3.646	15.413	2.302	5.359	18.161
16.852	25.277	6.036	17.322	9.803	3.482
8.682	13.024	29.098	6.738	21.304	15.414
4.793	7.19	21.576	6.203	14.675	10.087
18.618	27.926	23.828	1.73	5.34	12.787
11.929	17.894	11.632	4.403	1.605	1.047
14.481	21.722	21.43	0.071	11.259	4.09
2.432	3.649	1.959	9.408	3.639	2.918
6.11	9.165	48.46	3.419	20.747	5.181
9.665	14.498	16.119	7.687	34.767	4.266
6.007	9.01	24.632	2.589	1.171	2.222
3.026	4.54	8.959	4.845	11.758	13.444

Random Number Geneartion LCG

Formula Xn+1 = (aXn + c) mod m

a= 25214903917

c= 11

m= 281474976710656

Period 2^48 281474976710656

	Insp 1	Insp 2	Insp 2 C2 C3 Prob	WS 1	WS 2	WS 3
Seed	243	98743453	1789343	392575424	24353	87654
X(0)	243	98743453	1789343	392575424	24353	87654
RN's						
1	0.02177	0.57025	0.29173	0.43020	0.18157	0.85216
2	0.62616	0.85116	0.08520	0.15324	0.25939	0.25099
3	0.41232	0.35513	0.09979	0.09890	0.26199	0.53152
4	0.90882	0.94388	0.04612	0.39023	0.27911	0.88304
5	0.83571	0.42960	0.94188	0.56299	0.19210	0.50305
6	0.61568	0.43533	0.90389	0.95326	0.81786	0.29512
7	0.16347	0.87320	0.71569	0.37902	0.94790	0.62277
8	0.77888	0.16312	0.87356	0.05154	0.60613	0.48527
9	0.64064	0.07657	0.31548	0.09014	0.15047	0.67779
10	0.72823	0.70535	0.03219	0.34493	0.34313	0.24842
11	0.30629	0.05533	0.76244	0.22655	0.01467	0.31460
12	0.72151	0.76517	0.78213	0.24526	0.44683	0.05137
13	0.26198	0.45010	0.91204	0.76873	0.09908	0.41406
14	0.82906	0.17068	0.36947	0.62362	0.80395	0.90779
15	0.17177	0.52652	0.58849	0.66589	0.05605	0.46640
16	0.43367	0.87503	0.63406	0.94485	0.51995	0.25322
17	0.76222	0.17520	0.33477	0.58599	0.38168	0.94622
18	0.73067	0.95633	0.75948	0.01754	0.66906	0.82008
19	0.32240	0.91177	0.16259	0.66576	0.16579	0.68753
20	0.22786	0.61771	0.02309	0.74404	0.04424	0.51268
21	0.20387	0.87686	0.30242	0.26067	0.84200	0.25866
22	0.24556	0.18729	0.54598	0.87045	0.90722	0.28218
23	0.32069	0.83609	0.95348	0.69494	0.93764	0.33737
24	0.41658	0.11819	0.04299	0.73660	0.73846	0.00163
25	0.64943	0.18008	0.03374	0.01153	0.82381	0.08575
26	0.18623	0.98856	0.57272	0.02608	0.98717	0.34095
27	0.72914	0.92447	0.92992	0.72216	0.46535	0.52530
28	0.31233	0.50150	0.28750	0.51626	0.82134	0.64195
29	0.16139	0.70987	0.24749	0.55730	0.17086	0.91186
30	0.36519	0.48514	0.18343	0.82821	0.87768	0.79329
31	0.11024	0.80191	0.56066	0.21618	0.34267	0.11068
32	0.22762	0.89261	0.85036	0.17678	0.01165	0.10551
33	0.80226	0.09122	0.16241	0.11675	0.22689	0.97137
34	0.59492	0.80203	0.22189	0.12057	0.04748	0.18605
35	0.02650	0.09341	0.81445	0.14574	0.66335	0.70291

36	0.47493	0.41653	0.32534	0.31191	0.52813	0.81419
37	0.63454	0.94913	0.49725	0.40862	0.83566	0.24865
38	0.68794	0.06424	0.03182	0.24691	0.46532	0.81611
39	0.04042	0.42398	0.16003	0.97961	0.02114	0.66134
40	0.36678	0.19827	0.80618	0.01540	0.08953	0.93986
41	0.72072	0.90860	0.47076	0.65166	0.34090	0.47808
42	0.45674	0.39676	0.45699	0.05099	0.59997	0.73036
43	0.71449	0.41861	0.56615	0.68652	0.50979	0.09536
44	0.21565	0.36282	0.88662	0.88100	0.91460	0.40440
45	0.12331	0.59464	0.80169	0.56463	0.58639	0.14404
46	0.71382	0.92459	0.84115	0.87655	0.42016	0.72566
47	0.61122	0.70230	0.50158	0.73522	0.72305	0.86435
48	0.33406	0.03519	0.66042	0.00246	0.72210	0.87968
49	0.90480	0.63223	0.70879	0.36626	0.91586	0.48089
50	0.27168	0.77274	0.02804	0.56734	0.39465	0.34889
51	0.29311	0.90005	0.93505	0.09447	0.75466	0.57766
52	0.03450	0.34036	0.72134	0.97353	0.73077	0.78758
53	0.12770	0.64639	0.91082	0.77532	0.17306	0.47302
54	0.94283	0.06619	0.36141	0.46712	0.49218	0.89692
55	0.32265	0.63687	0.33532	0.23302	0.19839	0.59469
56	0.62947	0.40335	0.16311	0.88796	0.65936	0.29997
57	0.85451	0.26212	0.62652	0.01055	0.70174	0.85479
58	0.53975	0.92996	0.68502	0.41964	0.18151	0.41664
59	0.26234	0.53775	0.67113	0.11962	0.14797	0.02481
60	0.43147	0.34915	0.57949	0.33950	0.72662	0.33873
61	0.14772	0.10440	0.57464	0.79070	0.34566	0.11059
62	0.87495	0.48904	0.34261	0.76864	0.43139	0.70491
63	0.67470	0.22769	0.41125	0.22301	0.19717	0.72738
64	0.75301	0.30276	0.06423	0.42190	0.65130	0.57573
65	0.06984	0.79825	0.97393	0.33453	0.44857	0.47479
66	0.76094	0.86844	0.17794	0.35787	0.71056	0.30861
67	0.12221	0.33170	0.52441	0.51196	0.43972	0.31179
68	0.90657	0.38919	0.21108	0.72890	0.65215	0.43284
69	0.68336	0.96866	0.54314	0.36077	0.85421	0.93176
70	0.01021	0.19315	0.53475	0.53109	0.98779	0.52461
71	0.16737	0.47476	0.47936	0.45519	0.46938	0.13742
72	0.20467	0.73343	0.11379	0.35427	0.44793	0.08195
73	0.05080	0.24063	0.50103	0.08819	0.90633	0.21588
74	0.43526	0.58817	0.25680	0.13204	0.73180	0.39979
75	0.37270	0.28189	0.24487	0.02148	0.37991	0.31363
76	0.95979	0.46048	0.36611	0.89175	0.25738	0.44493
77	0.23463	0.23917	0.56634	0.23553	0.44869	0.81152
78	0.84859	0.17850	0.68783	0.50448	0.91137	0.73103
79	0.30067	0.37808	0.28967	0.67956	0.76504	0.69979
80	0.48445	0.69534	0.06179	0.43508	0.79925	0.19365
81	0.29738	0.58926	0.95782	0.02154	0.82504	0.95306

82	0.06270	0.08914	0.67159	0.49215	0.99523	0.06520
83	0.51381	0.38834	0.58251	0.39819	0.71853	0.90530
84	0.09114	0.56302	0.79458	0.57803	0.29229	0.74998
85	0.30153	0.91592	0.39422	0.16497	0.87911	0.62487
86	0.89009	0.44510	0.55184	0.43880	0.95214	0.69917
87	0.57460	0.93765	0.59216	0.64611	0.83413	0.28952
88	0.09236	0.18851	0.65823	0.41433	0.45525	0.28581
89	0.30959	0.84415	0.09429	0.88457	0.95467	0.56134
90	0.14326	0.37137	0.17233	0.18819	0.25085	0.67982
91	0.04555	0.65103	0.28735	0.39208	0.20559	0.96182
92	0.80061	0.69681	0.24648	0.53774	0.50689	0.72300
93	0.38405	0.99893	0.77679	0.89910	0.89547	0.24682
94	0.63472	0.99295	0.87679	0.08407	0.86010	0.80403
95	0.48915	0.15347	0.13683	0.10485	0.42666	0.78158
96	0.52840	0.21292	0.65310	0.04202	0.16595	0.73344
97	0.58742	0.00528	0.66045	0.42730	0.04525	0.91571
98	0.17696	0.43484	0.50900	0.97018	0.24865	0.61866
99	0.46791	0.06998	0.10937	0.75317	0.59109	0.35818
100	0.58821	0.86185	0.47182	0.52090	0.65118	0.73899
101	0.98219	0.48819	0.46404	0.18792	0.24776	0.55236
102	0.58247	0.82205	0.41268	0.19027	0.38525	0.42060
103	0.54433	0.02554	0.67370	0.80578	0.29263	0.05099
104	0.29256	0.76859	0.79641	0.06814	0.68133	0.91154
105	0.63087	0.07266	0.40630	0.39971	0.84676	0.89117
106	0.66377	0.27957	0.43160	0.58810	0.73864	0.25673
107	0.28090	0.64517	0.79858	0.23144	0.62502	0.96939
108	0.95393	0.05814	0.22060	0.27749	0.47515	0.17295
109	0.59596	0.38370	0.20599	0.78143	0.68600	0.41650
110	0.23335	0.93240	0.90951	0.50741	0.27758	0.92390
111	0.24013	0.55386	0.95275	0.49889	0.18203	0.97274
112	0.88484	0.85550	0.83816	0.24270	0.75140	0.19511
113	0.93996	0.04630	0.08184	0.55181	0.10921	0.36273
114	0.10371	0.90555	0.69015	0.79195	0.47082	0.96901
115	0.98451	0.37662	0.10497	0.57690	0.05740	0.67044
116	0.39778	0.28568	0.24282	0.55752	0.72881	0.39988
117	0.72536	0.68546	0.75262	0.42962	0.96017	0.71423
118	0.08736	0.32401	0.11727	0.78548	0.28710	0.68892
119	0.07655	0.73843	0.72399	0.93420	0.84487	0.42184
120	0.80525	0.47366	0.52834	0.31570	0.12615	0.95915
121	0.01466	0.92618	0.43707	0.63360	0.58260	0.20538
122	0.99678	0.31277	0.03463	0.33175	0.19518	0.13050
123	0.07875	0.26431	0.77856	0.53954	0.63821	0.33633
124	0.41975	0.54446	0.28848	0.11098	0.16216	0.79478
125	0.87038	0.39346	0.85394	0.88250	0.82027	0.32055
126	0.64449	0.99686	0.78597	0.77450	0.16381	0.09065
127	0.55360	0.57925	0.73742	0.86169	0.03115	0.27328

128	0.55379	0.62308	0.61697	0.03713	0.55560	0.57866
129	0.35500	0.71231	0.22198	0.39507	0.01693	0.29412
130	0.84297	0.50125	0.21505	0.95748	0.66174	0.11622
131	0.06361	0.30826	0.56933	0.86938	0.11745	0.84207
132	0.51985	0.83450	0.10757	0.68789	0.52520	0.73265
133	0.53102	0.50772	0.25994	0.89007	0.01632	0.11047
134	0.40474	0.95096	0.66561	0.22445	0.65771	0.50410
135	0.17128	0.07632	0.74303	0.03136	0.49087	0.40207
136	0.63045	0.30374	0.85403	0.15701	0.78973	0.42863
137	0.46095	0.40469	0.18658	0.58624	0.16219	0.50396
138	0.14229	0.47098	0.98141	0.41915	0.62048	0.30116
139	0.43910	0.50845	0.22729	0.31640	0.24514	0.06265
140	0.19807	0.15579	0.45010	0.03823	0.56792	0.58848
141	0.20729	0.02823	0.72063	0.20232	0.29830	0.95898
142	0.86812	0.18631	0.50619	0.88534	0.51879	0.30427
143	0.42958	0.22964	0.49084	0.19323	0.97402	0.68319
144	0.53523	0.51566	0.98952	0.42532	0.57854	0.88408
145	0.83253	0.00333	0.08086	0.95708	0.76839	0.70990
146	0.39473	0.22195	0.08370	0.46676	0.82140	0.06031
147	0.70522	0.86490	0.50243	0.63061	0.77126	0.87307
148	0.95442	0.50833	0.06606	0.91201	0.04034	0.73729
149	0.39919	0.95499	0.98602	0.56927	0.41622	0.74109
150	0.53462	0.70291	0.05770	0.50716	0.49706	0.86616
151	0.82851	0.03922	0.73083	0.09728	0.23061	0.99166
152	0.76814	0.25882	0.77346	0.59206	0.67205	0.31999
153	0.96974	0.50821	0.65484	0.25762	0.58553	0.78692
154	0.10030	0.75418	0.27193	0.85030	0.01452	0.76869
155	0.36195	0.37759	0.14477	0.56200	0.44582	0.14834
156	0.28889	0.89212	0.70547	0.05923	0.69244	0.55406
157	0.60670	0.28799	0.80608	0.74090	0.12008	0.33178
158	0.90425	0.50076	0.07015	0.83993	0.34252	0.56477
159	0.86806	0.50504	0.21301	0.49352	0.01064	0.20248
160	0.82918	0.53323	0.95583	0.40725	0.82024	0.11137
161	0.37257	0.91934	0.65850	0.23785	0.36361	0.61004
162	0.75899	0.06766	0.29610	0.31979	0.94982	0.80128
163	0.90932	0.04654	0.90429	0.86059	0.01882	0.76345
164	0.70149	0.30716	0.11831	0.22988	0.27422	0.41380
165	0.32985	0.02725	0.93084	0.46722	0.15987	0.60608
166	0.47701	0.57986	0.29354	0.63363	0.80517	0.77510
167	0.04823	0.62711	0.68737	0.13195	0.06411	0.19064
168	0.21834	0.33890	0.28664	0.62087	0.77312	0.63322
169	0.54103	0.23672	0.84185	0.64776	0.85262	0.05426
170	0.87080	0.16238	0.90621	0.62521	0.37731	0.53309
171	0.84731	0.87173	0.53100	0.27636	0.24026	0.59341
172	0.69221	0.75345	0.05459	0.17397	0.53570	0.69151
173	0.06862	0.17276	0.11028	0.49822	0.28561	0.43896
174	0.75288	0.94022	0.47787	0.63827	0.63500	0.87214

175	0.86903	0.40543	0.90392	0.76257	0.14101	0.83114
176	0.43562	0.67581	0.51589	0.98293	0.28069	0.26054
177	0.97511	0.46036	0.95489	0.23736	0.80257	0.99456
178	0.93575	0.03836	0.85226	0.51656	0.04699	0.33912
179	0.67592	0.85318	0.77489	0.55932	0.86013	0.51321
180	0.76106	0.23099	0.26431	0.64150	0.22686	0.76219
181	0.32301	0.72452	0.09441	0.58392	0.24728	0.70544
182	0.23189	0.58182	0.37313	0.60384	0.58202	0.23091
183	0.83046	0.84000	0.61266	0.13537	0.99136	0.99899
184	0.98103	0.54398	0.39358	0.24343	0.09295	0.36833
185	0.17482	0.59024	0.74761	0.75665	0.96346	0.30597
186	0.45381	0.69559	0.88424	0.74386	0.70885	0.59437
187	0.89516	0.99088	0.38598	0.45947	0.62844	0.39785
188	0.40804	0.73978	0.49746	0.38247	0.09771	0.00084
189	0.59303	0.68253	0.63323	0.47430	0.79488	0.28051
190	0.41402	0.50467	0.72933	0.28036	0.39623	0.22639
191	0.43251	0.93082	0.56359	0.00036	0.36514	0.56918
192	0.35457	0.94339	0.66970	0.15237	0.95989	0.33158
193	0.64015	0.62637	0.97002	0.95562	0.08529	0.86346
194	0.92500	0.13406	0.75216	0.05709	0.11291	0.67384
195	0.00502	0.28482	0.11425	0.72680	0.29519	0.12234
196	0.13313	0.27982	0.50405	0.14687	0.89825	0.78245
197	0.37868	0.04678	0.47674	0.91936	0.67843	0.03918
198	0.79927	0.70877	0.29647	0.41781	0.82763	0.23359
199	0.17519	0.67789	0.50671	0.10754	0.01235	0.41671
200	0.05623	0.87405	0.09426	0.45974	0.63152	0.52531
201	0.87111	0.56876	0.37212	0.58428	0.91805	0.54205
202	0.84932	0.35379	0.20602	0.20626	0.00915	0.95253
203	0.50551	0.73502	0.70971	0.11132	0.61037	0.56167
204	0.43636	0.85110	0.03408	0.68472	0.37847	0.48204
205	0.17995	0.81729	0.37493	0.66912	0.64791	0.85644
206	0.88765	0.19412	0.82455	0.76620	0.62621	0.62751
207	0.55849	0.08121	0.19201	0.20690	0.68301	0.41659
208	0.58601	0.33597	0.41726	0.91555	0.85784	0.32450
209	0.36769	0.41739	0.70391	0.39263	0.21175	0.21673
210	0.72676	0.35477	0.99581	0.94137	0.14758	0.80543
211	0.89662	0.34146	0.92236	0.36303	0.32400	0.59085
212	0.81770	0.45364	0.83755	0.74599	0.28838	0.47459
213	0.49684	0.99405	0.07781	0.47356	0.45333	0.60730
214	0.17915	0.96072	0.06356	0.07552	0.54198	0.78315
215	0.08241	0.14078	0.36950	0.04845	0.12710	0.44381
216	0.44392	0.32913	0.38869	0.26980	0.38885	0.10417
217	0.62990	0.17227	0.71539	0.13067	0.71639	0.76251
218	0.05733	0.13699	0.87154	0.01241	0.27819	0.60756
219	0.67836	0.10416	0.50219	0.23193	0.18606	0.08487
220	0.77718	0.08743	0.66445	0.08071	0.37798	0.13511
221	0.82936	0.57706	0.33538	0.08270	0.84469	0.16674

222	0.17378	0.00858	0.76351	0.09579	0.32494	0.07551
223	0.24696	0.85660	0.78918	0.38219	0.09463	0.37338
224	0.12996	0.85355	0.75857	0.27248	0.97454	0.23930
225	0.15773	0.83340	0.15655	0.54839	0.18197	0.05438
226	0.34102	0.70047	0.58321	0.16940	0.15099	0.73390
227	0.35072	0.02310	0.19921	0.46801	0.94656	0.91873
228	0.81477	0.75247	0.26479	0.43887	0.39727	0.83860
229	0.67751	0.56631	0.89764	0.24651	0.57198	0.40979
230	0.37154	0.33768	0.67440	0.57699	0.72509	0.87959
231	0.55214	0.22867	0.20104	0.95812	0.33559	0.08029
232	0.14412	0.90921	0.27688	0.67361	0.36492	0.10490
233	0.45119	0.40079	0.77740	0.39581	0.35848	0.96734
234	0.07784	0.04520	0.88082	0.16232	0.51598	0.55946
235	0.41371	0.09830	0.76342	0.82128	0.35549	0.96743
236	0.43050	0.44876	0.38857	0.57046	0.09624	0.96006
237	0.54128	0.96182	0.51458	0.71502	0.38522	0.21142
238	0.27242	0.94803	0.54623	0.26913	0.49242	0.57038
239	0.49794	0.25699	0.35509	0.52624	0.60000	0.43954
240	0.98640	0.49612	0.69363	0.22317	0.30999	0.07597
241	0.01027	0.87442	0.32793	0.42290	0.99593	0.37640
242	0.76778	0.17117	0.51437	0.74117	0.12316	0.45924
243	0.36732	0.32974	0.94482	0.04174	0.16286	0.10598
244	0.12434	0.17630	0.78579	0.22549	0.22491	0.87449
245	0.92067	0.76358	0.93621	0.23821	0.03439	0.44665
246	0.37642	0.83963	0.12899	0.92220	0.37695	0.52290
247	0.58437	0.94156	0.00134	0.83654	0.63784	0.32614
248	0.15681	0.61429	0.75881	0.67117	0.55975	0.52751
249	0.33498	0.25430	0.55816	0.37969	0.84432	0.15655
250	0.91084	0.07840	0.23385	0.65597	0.72253	0.80824
251	0.71156	0.71744	0.49340	0.87939	0.11868	0.20938
252	0.39632	0.93509	0.20644	0.15395	0.53326	0.95689
253	0.31569	0.97159	0.91253	0.56609	0.26949	0.99047
254	0.18355	0.01248	0.17269	0.28622	0.12865	0.11213
255	0.31142	0.28238	0.88976	0.63903	0.19912	0.61508
256	0.15535	0.26370	0.22243	0.76760	0.86419	0.83451
257	0.92531	0.54044	0.21807	0.01617	0.65365	0.18280
258	0.00703	0.76688	0.78927	0.65670	0.06408	0.98146
259	0.94643	0.26138	0.15917	0.08422	0.97292	0.15261
260	0.74641	0.72513	0.40054	0.10586	0.77129	0.58226
261	0.22633	0.58585	0.19353	0.44866	0.84054	0.71789
262	0.19380	0.46658	0.42733	0.11117	0.49755	0.71309
263	0.17909	0.27945	0.77038	0.68371	0.03384	0.18136
264	0.48201	0.44437	0.83450	0.26247	0.97332	0.37199
265	0.28127	0.73282	0.05767	0.08233	0.17391	0.33014
266	0.55635	0.23660	0.93063	0.49337	0.89782	0.35389
267	0.57191	0.96158	0.69213	0.40624	0.47561	0.81070
268	0.67464	0.54642	0.11806	0.83120	0.68902	0.12559

269	0.15260	0.60635	0.52923	0.63592	0.49752	0.50390
270	0.90718	0.20193	0.64291	0.14706	0.23363	0.70076
271	0.68739	0.93277	0.39318	0.72057	0.89199	0.89999
272	0.63680	0.15628	0.34499	0.90578	0.63714	0.51493
273	0.90285	0.83145	0.82696	0.32818	0.15511	0.47357
274	0.05879	0.48758	0.40792	0.91598	0.97375	0.30055
275	0.08803	0.81802	0.84228	0.59545	0.37673	0.05862
276	0.68098	0.39896	0.10903	0.07998	0.03643	0.96189
277	0.59450	0.03311	0.66961	0.87786	0.99044	0.22351
278	0.82368	0.21854	0.56942	0.14388	0.08691	0.45015
279	0.33632	0.24234	0.50817	0.49963	0.52358	0.64596
280	0.11971	0.39944	0.50393	0.44753	0.60564	0.63835
281	0.29005	0.83633	0.27593	0.50372	0.34725	0.48809
282	0.01436	0.51981	0.97115	0.67452	0.04186	0.19642
283	0.99477	0.83072	0.35961	0.40185	0.42629	0.77139
284	0.26546	0.28275	0.12344	0.60220	0.56353	0.46617
285	0.05202	0.86612	0.36468	0.92449	0.06930	0.75171
286	0.44331	0.51639	0.95687	0.85165	0.80737	0.33625
287	0.62587	0.20816	0.86535	0.77087	0.67861	0.29428
288	0.43074	0.17386	0.06130	0.63772	0.62884	0.11723
289	0.94289	0.74747	0.15459	0.35894	0.50033	0.24871
290	0.92305	0.33328	0.37032	0.51900	0.85217	0.41652
291	0.79213	0.99966	0.99413	0.57543	0.37429	0.82400
292	0.92805	0.19778	0.91128	0.14785	0.02032	0.01341
293	0.02516	0.10538	0.36443	0.52581	0.48409	0.96350
294	0.26607	0.09549	0.55526	0.02035	0.14501	0.73408
295	0.05605	0.83023	0.21471	0.28429	0.10708	0.71994
296	0.06990	0.47952	0.76711	0.22634	0.45672	0.32658
297	0.36134	0.56485	0.21294	0.64385	0.36434	0.63043
298	0.28487	0.92801	0.35543	0.19942	0.15466	0.33583
299	0.98012	0.32486	0.49584	0.86620	0.97073	0.09146
300	0.16878	0.14407	0.22256	0.46694	0.15679	0.97862
301	0.01393	0.75089	0.41888	0.43182	0.98483	0.73388
302	0.79195	0.95584	0.11459	0.39999	0.84985	0.01863
303	0.12685	0.10855	0.30627	0.78991	0.55898	0.79794
304	0.53719	0.31644	0.37136	0.96340	0.83929	0.64140
305	0.04543	0.28848	0.20098	0.10845	0.68929	0.50824
306	0.59981	0.30399	0.67648	0.46578	0.69933	0.32936
307	0.05873	0.80630	0.61474	0.02416	0.96560	0.44876
308	0.48763	0.12161	0.80727	0.30947	0.72295	0.73680
309	0.51833	0.80264	0.27801	0.39251	0.32150	0.93786
310	0.52095	0.09744	0.38485	0.74056	0.67187	0.56489
311	0.33827	0.04312	0.89001	0.03771	0.78432	0.40329
312	0.33260	0.68460	0.62405	0.59890	0.52654	0.43669
313	0.49513	0.91837	0.86871	0.50274	0.22518	0.75714
314	0.36787	0.46121	0.08346	0.06808	0.23620	0.77211
315	0.52797	0.44400	0.10082	0.79931	0.10891	0.77090

316	0.38460	0.13040	0.41543	0.42544	0.46880	0.66294
317	0.03835	0.26065	0.69183	0.15789	0.24410	0.45044
318	0.95308	0.52029	0.11605	0.79208	0.36108	0.74788
319	0.19032	0.63394	0.71593	0.77770	0.53310	0.41098
320	0.95613	0.58401	0.27517	0.88284	0.26849	0.08744
321	0.21046	0.45450	0.96612	0.57671	0.72201	0.25213
322	0.08907	0.39969	0.32638	0.75631	0.51525	0.03907
323	0.88783	0.23795	0.70409	0.94164	0.15066	0.93289
324	0.35970	0.17044	0.79702	0.56484	0.14434	0.13206
325	0.07399	0.12491	0.41033	0.47796	0.50265	0.14660
326	0.58833	0.22440	0.05819	0.30453	0.66747	0.94258
327	0.18300	0.88101	0.53405	0.75988	0.55532	0.69601
328	0.90779	0.01468	0.07473	0.56521	0.81512	0.96867
329	0.69142	0.89688	0.24322	0.08038	0.92977	0.86822
330	0.26338	0.11942	0.15524	0.28048	0.28649	0.50526
331	0.63832	0.18814	0.17455	0.20116	0.84084	0.80972
332	0.91292	0.24173	0.70205	0.47768	0.49957	0.51915
333	0.12526	0.39542	0.18353	0.10271	0.84713	0.90136
334	0.92671	0.20975	0.96127	0.02792	0.34106	0.52400
335	0.81630	0.78433	0.09435	0.73425	0.60098	0.13339
336	0.68758	0.97659	0.77273	0.39602	0.91644	0.45536
337	0.43800	0.24551	0.45000	0.76373	0.59847	0.48040
338	0.39082	0.62039	0.32003	0.39059	0.29992	0.54567
339	0.27943	0.29459	0.26220	0.32787	0.92947	0.27639
340	0.54427	0.34427	0.88052	0.91396	0.28448	0.19920
341	0.69215	0.07217	0.76141	0.78216	0.02755	0.58972
342	0.46822	0.47635	0.57528	0.71224	0.13183	0.86714
343	0.59023	0.34390	0.14684	0.45080	0.42007	0.59811
344	0.79549	0.46976	0.11916	0.12527	0.32244	0.92253
345	0.95021	0.50040	0.33648	0.37676	0.47811	0.96368
346	0.97139	0.90262	0.57076	0.83663	0.30553	0.53529
347	0.31117	0.55728	0.71703	0.07177	0.16653	0.20791
348	0.75374	0.47806	0.08242	0.62368	0.24908	0.54722
349	0.27467	0.15518	0.89397	0.26629	0.79391	0.08667
350	0.71284	0.02420	0.65023	0.10751	0.78979	0.34700
351	0.00478	0.55972	0.44152	0.65954	0.76260	0.96518
352	0.73152	0.49417	0.86404	0.50295	0.78313	0.74516
353	0.72804	0.66153	0.65264	0.66949	0.31869	0.19305
354	0.50508	0.96609	0.65743	0.36861	0.05334	0.84913
355	0.23354	0.97623	0.28905	0.18285	0.30202	0.47927
356	0.04134	0.64310	0.05776	0.35683	0.14336	0.93821
357	0.37282	0.64444	0.33123	0.30511	0.89620	0.26721
358	0.16060	0.85330	0.93612	0.96371	0.06493	0.33857
359	0.55995	0.43179	0.72839	0.11047	0.37856	0.10958
360	0.99568	0.04984	0.75735	0.27908	0.04852	0.29826
361	0.27150	0.72891	0.14849	0.39190	0.87020	0.04351
362	0.49190	0.81082	0.33004	0.73653	0.29333	0.86219

363	0.54652	0.55142	0.72826	0.41113	0.08596	0.96548
364	0.90706	0.83939	0.55654	0.86343	0.71734	0.74717
365	0.48659	0.53995	0.82317	0.64861	0.08443	0.00634
366	0.31148	0.96365	0.18295	0.03085	0.70727	0.21687
367	0.75575	0.96011	0.75744	0.55358	0.01797	0.90634
368	0.08797	0.13675	0.54910	0.20364	0.86858	0.95683
369	0.08058	0.70255	0.57403	0.29400	0.88265	0.39007
370	0.43184	0.43680	0.33858	0.69039	0.77551	0.94947
371	0.75014	0.28287	0.78466	0.50658	0.26833	0.54153
372	0.85091	0.06693	0.32876	0.89346	0.72100	0.34910
373	0.11598	0.84171	0.11980	0.04681	0.10860	0.17907
374	0.66548	0.35526	0.14071	0.05892	0.46679	0.35688
375	0.09218	0.14468	0.27868	0.73888	0.43081	0.23043
376	0.50838	0.75491	0.98928	0.02663	0.99334	0.09587
377	0.65529	0.58243	0.67925	0.12579	0.10604	0.10772
378	0.82491	0.84402	0.43307	0.98019	0.24987	0.48597
379	0.34438	0.17056	0.20824	0.21923	0.59914	0.08242
380	0.37288	0.32571	0.12441	0.19692	0.90435	0.11900
381	0.76100	0.54971	0.97112	0.24969	0.71871	0.66040
382	0.72261	0.02811	0.55941	0.79794	0.09350	0.13362
383	0.06923	0.98550	0.04211	0.41637	0.36709	0.95687
384	0.75691	0.90433	0.82790	0.49807	0.17278	0.09037
385	0.49562	0.36856	0.21416	0.63726	0.29037	0.07147
386	0.17110	0.03250	0.36349	0.35592	0.46642	0.84669
387	0.82924	0.21451	0.74902	0.29906	0.82839	0.46316
388	0.97298	0.61575	0.69350	0.52383	0.01739	0.43187
389	0.92165	0.66397	0.12713	0.00726	0.66476	0.32531
390	0.98286	0.98221	0.18905	0.99789	0.33739	0.92207
391	0.18690	0.48257	0.79772	0.33605	0.57681	0.96066
392	0.33357	0.58499	0.81496	0.36794	0.15691	0.31535
393	0.10158	0.06094	0.92876	0.57842	0.18563	0.15631
394	0.97041	0.00223	0.87984	0.56759	0.17516	0.40663
395	0.70473	0.41470	0.15697	0.49609	0.70608	0.55874
396	0.15120	0.93704	0.78603	0.62417	0.81011	0.66270
397	0.09792	0.18448	0.33782	0.06951	0.69674	0.04882
398	0.94624	0.21756	0.77962	0.40878	0.94848	0.09724
399	0.94521	0.63589	0.29552	0.24792	0.80996	0.11679
400	0.73836	0.79691	0.70046	0.38625	0.69573	0.14579
401	0.97316	0.65958	0.57305	0.69927	0.54183	0.23724
402	0.72285	0.75320	0.73214	0.36520	0.12609	0.54078
403	0.47084	0.77115	0.18212	0.56030	0.98220	0.24417
404	0.40755	0.28958	0.15200	0.24795	0.03252	0.18650
405	0.78981	0.11124	0.35320	0.18645	0.56466	0.70593
406	0.11275	0.73416	0.08114	0.78060	0.67675	0.03413
407	0.84413	0.44547	0.28551	0.90197	0.81655	0.30026
408	0.47127	0.54007	0.23440	0.30300	0.53924	0.95671
409	0.61037	0.16446	0.89703	0.74981	0.10897	0.18927

410	0.92842	0.28543	0.67037	0.49874	0.06921	0.62416
411	0.62758	0.28384	0.57446	0.24169	0.40676	0.39444
412	0.24202	0.67337	0.54140	0.14516	0.43462	0.37828
413	0.49733	0.44424	0.92327	0.10809	0.01852	0.17163
414	0.98238	0.53201	0.84359	0.86337	0.27221	0.10774
415	0.38368	0.91129	0.51769	0.04821	0.34658	0.38607
416	0.03230	0.81448	0.16677	0.86819	0.43743	0.12309
417	0.51320	0.57559	0.65069	0.48003	0.63705	0.88739
418	0.08711	0.59891	0.44454	0.71822	0.75451	0.03175
419	0.67494	0.95279	0.08398	0.29028	0.72976	0.88455
420	0.15462	0.08841	0.70425	0.06582	0.76641	0.61302
421	0.72047	0.18350	0.79803	0.58440	0.80831	0.32092
422	0.05513	0.61111	0.81698	0.40707	0.48486	0.69307
423	0.06386	0.03336	0.74206	0.43664	0.15005	0.24923
424	0.92146	0.62015	0.24758	0.83181	0.14031	0.01994
425	0.18166	0.89297	0.58404	0.63995	0.87606	0.20660
426	0.69893	0.69363	0.80465	0.77364	0.93200	0.13856
427	0.11293	0.77798	0.46069	0.45605	0.70119	0.58950
428	0.64534	0.53470	0.39053	0.75991	0.77789	0.26573
429	0.95924	0.32901	0.72747	0.36541	0.68404	0.02880
430	0.83101	0.97147	0.75130	0.16171	0.06469	0.16511
431	0.38466	0.81168	0.70861	0.81725	0.97695	0.76474
432	0.63875	0.95706	0.22683	0.94387	0.39788	0.02226
433	0.11574	0.11661	0.44707	0.97955	0.57601	0.02191
434	0.26387	0.56961	0.50069	0.41500	0.35168	0.31959
435	0.44154	0.75943	0.45458	0.48901	0.07107	0.38430
436	0.21419	0.01224	0.35024	0.97744	0.21905	0.71141
437	0.71364	0.88077	0.46160	0.20110	0.39571	0.17028
438	0.81001	0.61307	0.39657	0.87728	0.76171	0.89888
439	0.84608	0.24625	0.16735	0.94006	0.57729	0.80758
440	0.68416	0.82523	0.85452	0.95437	0.96014	0.50505
441	0.81544	0.24649	0.98980	0.24883	0.48690	0.20831
442	0.28194	0.22684	0.28268	0.39230	0.76354	0.94984
443	0.16078	0.89713	0.81567	0.13915	0.58938	0.14395
444	0.36116	0.52103	0.33340	0.46841	0.83990	0.32505
445	0.48366	0.83878	0.75042	0.84148	0.69332	0.62036
446	0.49214	0.53592	0.50277	0.30379	0.32592	0.26936
447	0.94814	0.33707	0.86828	0.55505	0.70107	0.25277
448	0.55769	0.22464	0.88064	0.61330	0.57708	0.84330
449	0.78078	0.28262	0.96221	0.19781	0.35873	0.64080
450	0.25313	0.66531	0.90060	0.45553	0.91759	0.40431
451	0.77065	0.19107	0.29394	0.15649	0.00613	0.74343
452	0.58626	0.06107	0.08999	0.98281	0.39043	0.48167
453	0.76930	0.20303	0.34393	0.03655	0.32687	0.25402
454	0.37740	0.74002	0.81991	0.19125	0.50732	0.65156
455	0.19081	0.08414	0.56139	0.41222	0.09829	0.97531
456	0.75935	0.15530	0.05520	0.67068	0.99871	0.41203

457	0.51173	0.22501	0.11431	0.57647	0.94149	0.19439
458	0.67744	0.88504	0.10445	0.35470	0.56384	0.05799
459	0.77113	0.64127	0.63940	0.29101	0.07131	0.05777
460	0.38948	0.63235	0.37002	0.27065	0.62066	0.55626
461	0.07057	0.97354	0.99212	0.53631	0.04635	0.94629
462	0.96577	0.22537	0.09798	0.28963	0.05590	0.42048
463	0.07411	0.48746	0.99670	0.26159	0.51894	0.85019
464	0.78914	0.61722	0.12820	0.87649	0.97503	0.58622
465	0.50832	0.07364	0.19610	0.13482	0.98519	0.74408
466	0.05489	0.88602	0.64425	0.83981	0.45226	0.28590
467	0.66225	0.24771	0.60204	0.29272	0.53493	0.96194
468	0.27083	0.23489	0.92348	0.08193	0.28057	0.92381
469	0.88747	0.15030	0.44500	0.09075	0.60177	0.57214
470	0.75728	0.99197	0.08700	0.34896	0.72167	0.95112
471	0.09804	0.54703	0.92419	0.85314	0.71304	0.75241
472	0.14705	0.61038	0.84963	0.98074	0.25603	0.74089
473	0.27052	0.82852	0.95757	0.62286	0.23983	0.16485
474	0.88545	0.66824	0.26998	0.66085	0.33288	0.46302
475	0.94398	0.01041	0.93188	0.91161	0.14700	0.33096
476	0.73030	0.86868	0.50039	0.16665	0.12017	0.95933
477	0.71999	0.73331	0.45257	0.44988	0.74313	0.00659
478	0.25191	0.03983	0.53695	0.11922	0.25463	0.61848
479	0.76259	0.26285	0.09386	0.93688	0.43056	0.55697
480	0.33308	0.13480	0.96951	0.73342	0.59173	0.25102
481	0.29836	0.48965	0.14874	0.79058	0.45541	0.33172
482	0.66914	0.23172	0.73165	0.56783	0.95568	0.96437
483	0.11635	0.92935	0.37890	0.89770	0.65749	0.03982
484	0.26790	0.53372	0.85073	0.27480	0.88946	0.03782
485	0.06813	0.72256	0.76482	0.36370	0.22042	0.12463
486	0.94966	0.36893	0.19784	0.35043	0.40478	0.79756
487	0.56776	0.63492	0.25573	0.26281	0.42153	0.13888
488	0.84724	0.19046	0.23782	0.88454	0.73211	0.49162
489	0.09181	0.05704	0.51958	0.38799	0.38192	0.11969
490	0.90596	0.57645	0.77926	0.31075	0.07067	0.16493
491	0.67934	0.00455	0.69311	0.00097	0.81643	0.96353
492	0.38362	0.23001	0.72451	0.15639	0.33843	0.53428
493	0.43190	0.11807	0.13177	0.58221	0.78365	0.80127
494	0.35054	0.97928	0.81966	0.79256	0.92211	0.86335
495	0.01357	0.66324	0.15978	0.58092	0.43594	0.37313
496	0.18953	0.77737	0.40456	0.18410	0.42718	0.83769
497	0.15089	0.53067	0.82012	0.16509	0.76937	0.40374
498	0.09590	0.70242	0.16280	0.63961	0.42785	0.43971
499	0.13295	0.23599	0.62450	0.97143	0.37380	0.97708
500	0.57747	0.95755	0.87173	0.56142	0.21709	0.82371
501	0.31129	0.91983	0.30340	0.85540	0.18282	0.91150
502	0.95454	0.87088	0.15243	0.19564	0.55663	0.19087
503	0.59999	0.34781	0.55602	0.64123	0.22378	0.13473

504	0.85994	0.89554	0.21975	0.38210	0.42693	0.66423
505	0.97560	0.91055	0.80035	0.87188	0.36776	0.05890
506	0.73897	0.60965	0.63229	0.30441	0.77721	0.16371
507	0.97719	0.62369	0.92309	0.55907	0.07961	0.95547
508	0.34944	0.71634	0.04238	0.23989	0.27544	0.28111
509	0.20631	0.12784	0.02972	0.93328	0.16793	0.33032
510	0.26167	0.04373	0.94613	0.30965	0.05834	0.15510
511	0.82704	0.68863	0.19445	0.19372	0.53506	0.29867
512	0.35847	0.54495	0.43337	0.22854	0.48138	0.34623
513	0.06593	0.19669	0.21026	0.25835	0.92709	0.96014
514	0.33516	0.29813	0.93771	0.05514	0.86877	0.71193
515	0.71205	0.16763	0.33886	0.51391	0.68386	0.77371
516	0.19954	0.50638	0.98647	0.94180	0.26348	0.28148
517	0.61696	0.74210	0.06072	0.56585	0.48898	0.93274
518	0.77193	0.49783	0.95077	0.88461	0.17724	0.13105
519	0.19472	0.68570	0.82507	0.98840	0.11977	0.73996
520	0.18513	0.72562	0.79543	0.47341	0.34051	0.25871
521	0.92189	0.38907	0.79986	0.07452	0.19735	0.98248
522	0.38448	0.76785	0.82906	0.64181	0.45251	0.45936
523	0.83754	0.86783	0.62182	0.58593	0.93655	0.30679
524	0.62776	0.32767	0.45400	0.41714	0.93121	0.19981
525	0.04323	0.76260	0.14642	0.50311	0.89596	0.59375
526	0.98531	0.23318	0.91634	0.67049	0.66332	0.49372
527	0.20302	0.33902	0.19787	0.77526	0.72793	0.33358
528	0.83992	0.43753	0.05593	0.86672	0.75433	0.77665
529	0.04347	0.48770	0.31915	0.07037	0.92855	0.00091
530	0.38692	0.01883	0.05636	0.81441	0.27843	0.78102
531	0.85365	0.72427	0.52197	0.52514	0.58767	0.42971
532	0.13411	0.18021	0.19497	0.41592	0.02862	0.41111
533	0.98512	0.18936	0.03680	0.49505	0.13888	0.18835
534	0.40181	0.24979	0.59286	0.41732	0.26659	0.61811
535	0.35194	0.64859	0.06286	0.30431	0.10952	0.95456
536	0.82283	0.68069	0.96487	0.15847	0.47283	0.27507
537	0.93068	0.49258	0.51812	0.99590	0.87069	0.89044
538	0.84248	0.05106	0.36959	0.32296	0.09655	0.05189
539	0.26039	0.73697	0.78930	0.08154	0.38723	0.01748
540	0.21858	0.06400	0.95937	0.68813	0.30572	0.29039
541	0.94264	0.02237	0.48186	0.29168	0.96774	0.59155
542	0.52144	0.54764	0.73031	0.87508	0.73705	0.87922
543	0.14149	0.61441	0.17004	0.32555	0.01455	0.47787
544	0.63387	0.45511	0.27224	0.09866	0.24603	0.12895
545	0.08351	0.40372	0.14678	0.60113	0.77377	0.52606
546	0.25117	0.86453	0.51876	0.91744	0.65685	0.64698
547	0.55775	0.90591	0.17382	0.00512	0.08523	0.94510
548	0.38118	0.97903	0.49722	0.98379	0.51250	0.21263
549	0.41579	0.26163	0.23162	0.64300	0.13253	0.67834
550	0.84419	0.12674	0.07870	0.79379	0.82470	0.65205

551	0.07167	0.23648	0.26940	0.58898	0.19302	0.77853
552	0.77303	0.76077	0.72805	0.43728	0.82391	0.71330
553	0.00197	0.22110	0.95513	0.63604	0.38778	0.78277
554	0.11299	0.45926	0.25387	0.34786	0.70934	0.94130
555	0.24574	0.23111	0.42553	0.04589	0.43166	0.08755
556	0.12190	0.92532	0.55849	0.05288	0.39898	0.55284
557	0.90456	0.90714	0.03606	0.29900	0.38326	0.32373
558	0.87007	0.98709	0.38802	0.92342	0.27953	0.31160
559	0.64247	0.51480	0.11095	0.84460	0.39492	0.73153
560	0.74031	0.59769	0.08230	0.92434	0.95647	0.40312
561	0.18605	0.94473	0.69317	0.85064	0.46273	0.53558
562	0.92793	0.83524	0.32491	0.36422	0.00402	0.30983
563	0.82436	0.71255	0.29443	0.95385	0.17654	0.31985
564	0.94075	0.90286	0.89321	0.64541	0.71514	0.68602
565	0.90895	0.95889	0.64520	0.00970	0.46993	0.40271
566	0.09908	0.12869	0.40829	0.01400	0.85155	0.23286
567	0.35390	0.44937	0.44469	0.84240	0.37026	0.21188
568	0.03572	0.96585	0.08498	0.30984	0.39373	0.57341
569	0.13576	0.57462	0.11089	0.99493	0.74862	0.65948
570	0.19600	0.99246	0.48190	0.71651	0.29089	0.12757
571	0.79359	0.35025	0.53051	0.47900	0.06985	0.51699
572	0.33772	0.91165	0.25137	0.51138	0.21099	0.98716
573	0.92897	0.41690	0.80901	0.52508	0.14254	0.79028
574	0.03120	0.55154	0.88949	0.81551	0.29076	0.79084
575	0.70595	0.04019	0.02062	0.33239	0.86904	0.09457
576	0.15926	0.86526	0.48611	0.34377	0.88567	0.59916
577	0.35109	0.11075	0.95831	0.81890	0.99545	0.02948
578	0.41719	0.93094	0.47482	0.15475	0.31994	0.76954
579	0.65346	0.14420	0.88378	0.37133	0.86160	0.55398
580	0.81282	0.95169	0.38296	0.40078	0.63653	0.83128
581	0.46461	0.28116	0.27752	0.59515	0.15108	0.36145
582	0.16646	0.25565	0.58163	0.07796	0.34716	0.36055
583	0.19862	0.28726	0.58874	0.06457	0.64126	0.25460
584	0.61092	0.29593	0.03567	0.77615	0.18230	0.85539
585	0.33205	0.55313	0.98540	0.07256	0.95321	0.52057
586	0.09151	0.65067	0.05367	0.42892	0.84118	0.61073
587	0.90395	0.09439	0.10424	0.38085	0.30178	0.30581
588	0.86604	0.02298	0.03799	0.06362	0.74175	0.59336
589	0.01588	0.55167	0.80071	0.96990	0.24557	0.99121
590	0.00484	0.24100	0.23470	0.55135	0.77074	0.31697
591	0.33192	0.19058	0.89904	0.78893	0.43691	0.56698
592	0.89070	0.25784	0.48367	0.35696	0.03362	0.71708
593	0.57863	0.90176	0.94219	0.50591	0.37191	0.00775
594	0.71895	0.15164	0.96847	0.28902	0.60461	0.02613
595	0.04506	0.20084	0.94189	0.25756	0.14040	0.64749
596	0.99739	0.12552	0.96645	0.24990	0.27666	0.64842
597	0.08278	0.22842	0.12859	0.39935	0.17599	0.55456

598	0.04634	0.50760	0.59872	0.98568	0.31152	0.03511
599	0.60585	0.75015	0.70153	0.25549	0.00600	0.90670
600	0.49861	0.75101	0.58010	0.83620	0.18963	0.55925
601	0.59084	0.15665	0.57867	0.86895	0.00155	0.36602
602	0.79951	0.43387	0.96920	0.48507	0.36022	0.39076
603	0.57680	0.46353	0.14672	0.75146	0.12746	0.45401
604	0.70686	0.25931	0.91836	0.70962	0.99126	0.37144
605	0.16530	0.31143	0.01116	0.63348	0.69234	0.92651
606	0.79097	0.05545	0.42367	0.13094	0.71947	0.88997
607	0.52040	0.96597	0.74621	0.21423	0.09853	0.14877
608	0.93465	0.77542	0.07497	0.96389	0.40032	0.75688
609	0.86867	0.31778	0.64483	0.91167	0.59212	0.47039
610	0.83321	0.49734	0.80587	0.76705	0.85802	0.07960
611	0.99916	0.88248	0.46874	0.61254	0.01296	0.60037
612	0.49446	0.42435	0.64370	0.19277	0.63555	0.13743
613	0.76344	0.80069	0.19842	0.42229	0.54464	0.98205
614	0.73872	0.88455	0.45956	0.73714	0.74462	0.25654
615	0.57558	0.83804	0.78307	0.41515	0.46450	0.16818
616	0.69881	0.33109	0.71828	0.49001	0.41570	0.68498
617	0.91212	0.38516	0.89068	0.38409	0.89364	0.19586
618	0.32002	0.34207	0.22848	0.88497	0.84801	0.46766
619	0.81215	0.45767	0.65795	0.59081	0.54690	0.96157
620	0.86018	0.62064	0.89248	0.44936	0.95953	0.32139
621	0.37721	0.69620	0.44036	0.51580	0.48287	0.59619
622	0.38960	0.99490	0.45638	0.55428	0.13696	0.50984
623	0.27138	0.36636	0.56213	0.60827	0.85390	0.83993
624	0.29109	0.41800	0.26003	0.16457	0.98577	0.71855
625	0.22121	0.35880	0.06622	0.03619	0.65609	0.41742
626	0.75996	0.96805	0.98702	0.58883	0.08019	0.92994
627	0.51576	0.18912	0.46435	0.43627	0.47927	0.41262
628	0.30403	0.84818	0.41470	0.22939	0.71319	0.29832
629	0.50661	0.99796	0.48699	0.66399	0.25704	0.64392
630	0.24361	0.38651	0.16415	0.33236	0.64648	0.02485
631	0.10780	0.55093	0.83337	0.54357	0.01675	0.03903
632	0.21150	0.03616	0.45022	0.73757	0.86053	0.23259
633	0.29591	0.23868	0.92144	0.61797	0.62948	0.01007
634	0.65303	0.37527	0.83150	0.62862	0.30456	0.84144
635	0.61000	0.07681	0.63793	0.89892	0.56008	0.82852
636	0.32600	0.10696	0.96035	0.28286	0.64654	0.44322
637	0.65163	0.70596	0.08831	0.61687	0.61715	0.00024
638	0.80074	0.05936	0.33285	0.82137	0.02319	0.17659
639	0.58485	0.39175	0.34679	0.97106	0.70303	0.64047
640	0.96004	0.18558	0.03884	0.95901	0.78997	0.60209
641	0.63625	0.02481	0.20635	0.87945	0.56380	0.84881
642	0.49922	0.56375	0.51192	0.75436	0.27111	0.57716
643	0.59486	0.12076	0.92870	0.72875	0.53933	0.08426
644	0.42610	0.39700	0.27944	0.35976	0.50957	0.13108

645	0.31227	0.82022	0.99432	0.12444	0.31319	0.54016
646	0.56099	0.01346	0.71249	0.77132	0.01708	0.34004
647	0.20253	0.88882	0.85241	0.64074	0.66274	0.51925
648	0.03670	0.86624	0.77590	0.57888	0.52410	0.20207
649	0.74220	0.71719	0.67095	0.57061	0.20907	0.80865
650	0.79854	0.53348	0.77828	0.71603	0.72985	0.51210
651	0.97035	0.32095	0.08666	0.67577	0.16702	0.05484
652	0.10432	0.71829	0.12197	0.21011	0.05230	0.73692
653	0.98854	0.34073	0.95501	0.93670	0.09518	0.13867
654	0.02437	0.24881	0.05306	0.93221	0.37817	0.89021
655	0.46083	0.04214	0.10021	0.30260	0.64590	0.55038
656	0.94148	0.07816	0.41140	0.34719	0.81292	0.40751
657	0.11378	0.31583	0.06524	0.44146	0.31527	0.76458
658	0.05098	0.28445	0.38058	0.26363	0.43078	0.02125
659	0.23647	0.67740	0.86181	0.48998	0.19314	0.61526
660	0.86067	0.07083	0.23794	0.58389	0.02471	0.63572
661	0.18044	0.26749	0.72039	0.80364	0.71310	0.67077
662	0.69087	0.76541	0.10458	0.05404	0.85644	0.20210
663	0.85976	0.85172	0.84020	0.70666	0.40249	0.60885
664	0.17439	0.82132	0.69534	0.01394	0.40643	0.59343
665	0.25099	0.82071	0.13921	0.24200	0.63241	0.59161
666	0.75655	0.81668	0.06881	0.14718	0.12389	0.47963
667	0.89320	0.19009	0.00414	0.92138	0.36770	0.64053
668	0.19514	0.45462	0.37734	0.23110	0.17681	0.20250
669	0.38795	0.60049	0.04046	0.47527	0.91695	0.01147
670	0.06050	0.56326	0.61703	0.88680	0.20190	0.65071
671	0.89931	0.31754	0.82238	0.60290	0.68252	0.56967
672	0.23543	0.09573	0.37771	0.32912	0.05462	0.13481
673	0.65382	0.23184	0.64288	0.72222	0.91048	0.16473
674	0.41524	0.13016	0.59298	0.11666	0.55920	0.26222
675	0.44057	0.85904	0.26366	0.71996	0.44070	0.00564
676	0.60774	0.86966	0.29018	0.90176	0.25860	0.81224
677	0.11110	0.33975	0.66521	0.70159	0.45675	0.03576
678	0.63326	0.64236	0.34042	0.18050	0.16454	0.61103
679	0.07948	0.43961	0.79675	0.74133	0.23598	0.30783
680	0.62459	0.90140	0.20852	0.04275	0.50750	0.40666
681	0.82228	0.54922	0.32623	0.63213	0.89950	0.35894
682	0.52705	0.22488	0.70309	0.92208	0.48669	0.74403
683	0.37856	0.68423	0.39037	0.63573	0.16213	0.58560
684	0.59846	0.31595	0.72646	0.34585	0.02007	0.83995
685	0.84987	0.48526	0.34466	0.23260	0.08248	0.61865
686	0.90913	0.00272	0.02474	0.68514	0.49438	0.45808
687	0.90028	0.21793	0.51330	0.87194	0.81289	0.69833
688	0.84187	0.23831	0.93777	0.90481	0.51507	0.78398
689	0.25636	0.77286	0.93926	0.72173	0.34945	0.04925
690	0.59200	0.10086	0.14913	0.31344	0.65636	0.30006
691	0.20717	0.66568	0.13427	0.41869	0.28201	0.25540

692	0.66731	0.79349	0.43618	0.31338	0.21124	0.66063
693	0.10426	0.03702	0.82879	0.81829	0.54415	0.63513
694	0.38814	0.64432	0.42001	0.15072	0.94140	0.56684
695	0.86171	0.65250	0.72204	0.74474	0.16323	0.61618
696	0.38728	0.10648	0.31545	0.66531	0.82732	0.64177
697	0.45607	0.90274	0.23199	0.74102	0.01034	0.11065
698	0.11006	0.75809	0.68111	0.04073	0.81823	0.30531
699	0.42641	0.80338	0.24535	0.81884	0.55032	0.89004
700	0.31429	0.30228	0.16933	0.55434	0.58208	0.64927
701	0.37428	0.99503	0.86761	0.20867	0.59176	0.96020
702	0.57027	0.56717	0.27621	0.32723	0.25561	0.31233
703	0.46376	0.74332	0.17297	0.10973	0.03701	0.93637
704	0.76082	0.50589	0.09158	0.07424	0.19427	0.35502
705	0.92140	0.93887	0.95440	0.43999	0.63216	0.41815
706	0.58125	0.19656	0.04903	0.85397	0.72228	0.13478
707	0.53627	0.09732	0.47363	0.58617	0.71706	0.36453
708	0.03938	0.84232	0.67593	0.81875	0.88262	0.18089
709	0.15993	0.35928	0.21111	0.15374	0.97530	0.46887
710	0.95552	0.77127	0.34335	0.96468	0.18700	0.06953
711	0.20644	0.49039	0.61608	0.71691	0.18423	0.53390
712	0.46248	0.43655	0.01614	0.88161	0.36590	0.29875
713	0.15236	0.88126	0.85650	0.56866	0.96493	0.84674
714	0.50557	0.41629	0.00289	0.50314	0.11852	0.16346
715	0.03676	0.54752	0.56908	0.47070	0.53225	0.55386
716	0.34261	0.41360	0.70596	0.85659	0.86285	0.63047
717	0.96120	0.12979	0.60931	0.40350	0.44479	0.03613
718	0.04390	0.25662	0.37142	0.81307	0.48559	0.21345
719	0.58974	0.89371	0.80138	0.31628	0.35488	0.28378
720	0.99226	0.89847	0.83913	0.83743	0.09222	0.84794
721	0.64894	0.72989	0.68829	0.87701	0.75863	0.27142
722	0.38301	0.41727	0.29269	0.73824	0.75695	0.76637
723	0.42787	0.15396	0.28173	0.22240	0.74587	0.33303
724	0.72395	0.01614	0.00942	0.41787	0.27276	0.37303
725	0.27809	0.30655	0.81219	0.70794	0.75021	0.53698
726	0.33540	0.02322	0.11044	0.62240	0.90136	0.11909
727	0.11366	0.95328	0.47887	0.65783	0.29897	0.06100
728	0.85017	0.89163	0.31057	0.69167	0.12322	0.37761
729	0.91115	0.48477	0.19976	0.11504	0.76327	0.56720
730	0.71358	0.19949	0.66842	0.30929	0.38757	0.31849
731	0.20961	0.91666	0.36156	0.59130	0.10793	0.57705
732	0.68343	0.64993	0.33633	0.25259	0.86236	0.78355
733	0.61061	0.88956	0.56976	0.81707	0.64156	0.84643
734	0.33003	0.07108	0.31039	0.14266	0.18432	0.16145
735	0.27821	0.66910	0.39855	0.49157	0.76650	0.74057
736	0.53621	0.41605	0.18044	0.19436	0.20892	0.26274
737	0.43898	0.14590	0.14092	0.03277	0.72884	0.60907
738	0.99727	0.76297	0.88009	0.96627	0.76037	0.19484

739	0.88197	0.83560	0.55859	0.32738	0.36843	0.16092
740	0.72102	0.31497	0.43667	0.11074	0.38165	0.23704
741	0.45876	0.87881	0.63201	0.48089	0.86886	0.83947
742	0.52779	0.40018	0.72128	0.12386	0.08447	0.71553
743	0.58339	0.04117	0.31042	0.56750	0.50747	0.19748
744	0.55037	0.47171	0.19875	0.09548	0.09930	0.87834
745	0.73244	0.71329	0.26177	0.38018	0.40536	0.27203
746	0.73409	0.10770	0.67770	0.45919	0.62536	0.77040
747	0.94496	0.91080	0.62280	0.18066	0.27737	0.95962
748	0.33675	0.01126	0.06045	0.74233	0.58062	0.10850
749	0.32253	0.27432	0.74895	0.44939	0.18209	0.39111
750	0.42867	0.01053	0.09310	0.31600	0.35180	0.15632
751	0.52919	0.06949	0.96447	0.63561	0.27187	0.30673
752	0.39265	0.05862	0.11550	0.14504	0.54436	0.59941
753	0.29152	0.18692	0.31231	0.90728	0.54281	0.43109
754	0.42403	0.23367	0.81124	0.53805	0.73254	0.42018
755	0.89857	0.14224	0.30419	0.90112	0.58474	0.84817
756	0.03059	0.73880	0.95766	0.89736	0.20928	0.77293
757	0.70192	0.07608	0.67059	0.47259	0.33126	0.37634
758	0.53267	0.90213	0.17587	0.46908	0.73632	0.85884
759	0.61562	0.75406	0.11071	0.44592	0.80972	0.94333
760	0.56306	0.17679	0.68069	0.09304	0.29412	0.80095
761	0.61623	0.56680	0.04253	0.36407	0.89120	0.96124
762	0.56709	0.14090	0.03072	0.95284	0.83190	0.51918
763	0.24281	0.52994	0.35278	0.23876	0.04055	0.70156
764	0.30257	0.49759	0.87832	0.32583	0.01763	0.60533
765	0.09694	0.28409	0.14690	0.30047	0.06637	0.67016
766	0.33980	0.07498	0.71957	0.33309	0.98803	0.19807
767	0.34267	0.09488	0.49914	0.74841	0.87099	0.98227
768	0.56160	0.82620	0.64431	0.68948	0.09856	0.85795
769	0.20656	0.85294	0.20245	0.50054	0.20052	0.73748
770	0.66328	0.82938	0.08614	0.45358	0.67345	0.44239
771	0.47768	0.07388	0.51855	0.94360	0.39480	0.39480
772	0.65266	0.28763	0.57241	0.77773	0.75567	0.98069
773	0.00758	0.89835	0.92791	0.68304	0.13741	0.14758
774	0.35005	0.52908	0.47421	0.65804	0.85693	0.54902
775	0.21034	0.09195	0.87975	0.29308	0.20571	0.29855
776	0.88826	0.00687	0.75637	0.68435	0.70770	0.14543
777	0.56252	0.04532	0.54205	0.06670	0.22079	0.63482
778	0.21260	0.29910	0.72750	0.79025	0.00719	0.56483
779	0.10316	0.77408	0.55151	0.76562	0.39748	0.80288
780	0.58089	0.10892	0.78994	0.00307	0.17339	0.27403
781	0.93385	0.91885	0.76360	0.37029	0.29440	0.68359
782	0.06343	0.26443	0.18978	0.19393	0.09301	0.28669
783	0.71864	0.74527	0.00256	0.82995	0.56387	0.76718
784	0.04305	0.71878	0.76687	0.82766	0.87151	0.03837
785	0.18410	0.14395	0.81133	0.81255	0.70199	0.52826

786	0.71504	0.55008	0.70480	0.71285	0.58312	0.26149
787	0.61928	0.63052	0.20165	0.45483	0.79861	0.80081
788	0.58723	0.96146	0.28091	0.75185	0.02081	0.86033
789	0.37575	0.34561	0.40398	0.11224	0.28732	0.15319
790	0.97993	0.28104	0.61629	0.69076	0.44628	0.78608
791	0.36757	0.05484	0.61755	0.10900	0.69546	0.26315
792	0.52596	0.96194	0.42580	0.86941	0.34002	0.91179
793	0.57130	0.14883	0.76031	0.48809	0.39413	0.29278
794	0.67061	0.58231	0.76803	0.97140	0.15124	0.90736
795	0.52602	0.64322	0.21899	0.76122	0.34817	0.26358
796	0.17171	0.84525	0.79531	0.77407	0.04790	0.11460
797	0.83327	0.17862	0.59905	0.65887	0.86617	0.43139
798	0.59956	0.57889	0.50375	0.89852	0.66674	0.42219
799	0.65712	0.02066	0.47472	0.88024	0.35049	0.66146
800	0.83699	0.73636	0.48318	0.55959	0.86321	0.14067
801	0.22414	0.05997	0.13897	0.84332	0.04720	0.80340
802	0.57930	0.39578	0.66720	0.31588	0.46154	0.87745
803	0.32338	0.81216	0.35351	0.43481	0.79617	0.06619
804	0.83430	0.76028	0.08315	0.81973	0.00469	0.41185
805	0.80641	0.41788	0.09881	0.76019	0.78097	0.39318
806	0.42232	0.15799	0.60213	0.56722	0.50439	0.57002
807	0.08730	0.64273	0.32409	0.89367	0.27895	0.83712
808	0.47615	0.04202	0.68899	0.64822	0.19109	0.10002
809	0.64259	0.87735	0.69732	0.62823	0.41122	0.93512
810	0.94112	0.99051	0.15231	0.49630	0.26403	0.54676
811	0.51137	0.13736	0.35522	0.22558	0.89260	0.08364
812	0.07503	0.70657	0.89443	0.63882	0.64117	0.12706
813	0.79518	0.06339	0.65325	0.16619	0.78170	0.91357
814	0.94820	0.01834	0.66146	0.44686	0.70922	0.60456
815	0.15810	0.92105	0.91564	0.89928	0.23086	0.66513
816	0.94344	0.87894	0.79324	0.88528	0.07366	0.16484
817	0.32668	0.60098	0.18536	0.59283	0.23617	0.56292
818	0.25606	0.36649	0.97335	0.26266	0.30871	0.29029
819	0.58998	0.61880	0.97411	0.88354	0.38747	0.19094
820	0.39388	0.68411	0.97915	0.98135	0.70733	0.63523
821	0.29958	0.11514	0.01238	0.62688	0.61837	0.86755
822	0.67720	0.15994	0.43172	0.28744	0.03124	0.90083
823	0.36952	0.85562	0.99938	0.64709	0.95620	0.02047
824	0.73885	0.24710	0.54592	0.02077	0.26092	0.71012
825	0.77638	0.23087	0.35308	0.48711	0.27206	0.56182
826	0.02412	0.52371	0.88033	0.36495	0.34557	0.48304
827	0.05922	0.25650	0.96020	0.15868	0.03078	0.26309
828	0.29085	0.69290	0.08730	0.59731	0.95318	0.31138
829	0.81960	0.57315	0.92620	0.89227	0.04098	0.13012
830	0.10933	0.58279	0.66293	0.83895	0.22045	0.83381
831	0.22157	0.44644	0.32531	0.88708	0.20498	0.77816
832	0.36238	0.14651	0.69704	0.80471	0.50286	0.11088

833	0.49171	0.76700	0.95049	0.06109	0.26888	0.80682
834	0.74532	0.46219	0.62325	0.55318	0.12463	0.50001
835	0.41908	0.05045	0.06347	0.80102	0.57253	0.17508
836	0.26595	0.73294	0.96889	0.23672	0.12872	0.53050
837	0.85524	0.43741	0.14471	0.71233	0.79952	0.57629
838	0.74458	0.28690	0.10506	0.85140	0.02685	0.77851
839	0.21425	0.69351	0.64342	0.36926	0.72720	0.81320
840	0.31404	0.57718	0.99660	0.98708	0.54949	0.74211
841	0.97267	0.20938	0.72759	0.06475	0.97665	0.17291
842	0.91963	0.18192	0.95211	0.57735	0.39587	0.71620
843	0.16957	0.00064	0.03393	0.56054	0.76272	0.80191
844	0.81917	0.80423	0.37392	0.64956	0.98394	0.66758
845	0.90651	0.70792	0.41790	0.83709	0.64400	0.08105
846	0.08296	0.27225	0.50814	0.07479	0.20043	0.10994
847	0.84755	0.59683	0.70373	0.84362	0.27285	0.00058
848	0.09383	0.53909	0.19460	0.31789	0.15081	0.97880
849	0.71925	0.55801	0.43438	0.24810	0.14535	0.53509
850	0.04707	0.68289	0.61691	0.18746	0.90929	0.50660
851	0.81068	0.10709	0.62157	0.18725	0.35134	0.01858
852	0.45052	0.90677	0.05239	0.58584	0.26885	0.09764
853	0.47340	0.38467	0.49578	0.01653	0.32442	0.51941
854	0.62447	0.53885	0.62215	0.25912	0.49120	0.20308
855	0.62148	0.15640	0.25622	0.06017	0.59194	0.21530
856	0.20174	0.03226	0.04104	0.54714	0.05682	0.19596
857	0.23146	0.81290	0.82085	0.36114	0.52499	0.76837
858	0.62764	0.96512	0.36764	0.13351	0.41491	0.24623
859	0.84242	0.36978	0.57641	0.43114	0.08840	0.70010
860	0.65999	0.04056	0.75430	0.79556	0.73345	0.19566
861	0.05592	0.46768	0.12835	0.00066	0.59078	0.76635
862	0.86909	0.08670	0.19711	0.15438	0.64916	0.43293
863	0.03603	0.37222	0.05090	0.76891	0.43447	0.33236
864	0.13777	0.05667	0.28591	0.42483	0.01751	0.76860
865	0.00929	0.97403	0.63702	0.15386	0.86556	0.74774
866	0.16133	0.02859	0.95431	0.16549	0.66271	0.31007
867	0.76479	0.78873	0.64843	0.04223	0.72390	0.72146
868	0.94759	0.20560	0.22964	0.02871	0.12774	0.33665
869	0.15407	0.95694	0.06561	0.53948	0.19308	0.69690
870	0.31685	0.91580	0.98299	0.51058	0.42431	0.17451
871	0.59120	0.24429	0.83776	0.71984	0.55044	0.22677
872	0.40193	0.61234	0.67922	0.70095	0.78289	0.07170
873	0.55275	0.04141	0.63287	0.37627	0.91708	0.34820
874	0.14815	0.87332	0.12691	0.03341	0.40270	0.07313
875	0.07777	0.36392	0.58764	0.77050	0.00784	0.95767
876	0.81331	0.40189	0.22842	0.03530	0.20171	0.89561
877	0.26784	0.85245	0.05755	0.38299	0.88131	0.18603
878	0.46773	0.02615	0.72982	0.07772	0.56664	0.80281
879	0.78700	0.77261	0.36681	0.66296	0.68984	0.77353

880	0.49422	0.69925	0.97097	0.12551	0.10296	0.48027
881	0.36183	0.01505	0.55840	0.77837	0.42953	0.44476
882	0.08809	0.49930	0.63546	0.48727	0.38488	0.91041
883	0.28139	0.09537	0.14404	0.36596	0.69021	0.28372
884	0.75716	0.62943	0.50063	0.56533	0.70538	0.24754
885	0.89723	0.15421	0.85418	0.28118	0.40548	0.10876
886	0.82173	0.41776	0.18758	0.60580	0.82616	0.69282
887	0.12343	0.95718	0.38805	0.34826	0.60268	0.84762
888	0.91463	0.31741	0.91116	0.44851	0.72771	0.36930
889	0.93654	0.89493	0.16363	0.11016	0.15292	0.91241
890	0.48116	0.90652	0.22994	0.27706	0.35925	0.19691
891	0.87563	0.98306	0.06762	0.57861	0.52102	0.57461
892	0.27913	0.88821	0.79629	0.36880	0.38873	0.76744
893	0.54225	0.86221	0.20550	0.98406	0.51559	0.34008
894	0.87886	0.09061	0.10629	0.84481	0.95287	0.21955
895	0.10048	0.79800	0.65148	0.52575	0.03896	0.32406
896	0.16316	0.46683	0.24978	0.41994	0.40716	0.11381
897	0.77687	0.68106	0.19854	0.12164	0.83724	0.62616
898	0.82735	0.09500	0.66036	0.15279	0.07580	0.30763
899	0.36049	0.02701	0.10839	0.15844	0.25027	0.70535
900	0.87923	0.17825	0.86538	0.19570	0.00176	0.83030
901	0.70290	0.97647	0.86150	0.24163	0.96163	0.75500
902	0.13911	0.04471	0.23592	0.54476	0.69677	0.75801
903	0.21815	0.29507	0.90710	0.94543	0.74868	0.07785
904	0.73982	0.14749	0.73684	0.78982	0.89129	0.08879
905	0.38283	0.37344	0.41314	0.56280	0.23251	0.46099
906	0.62666	0.06473	0.67672	0.86446	0.28454	0.61757
907	0.23598	0.22720	0.01635	0.85546	0.62795	0.55093
908	0.05745	0.49954	0.45791	0.79604	0.29449	0.81114
909	0.87917	0.49698	0.57220	0.80389	0.49361	0.22851
910	0.10249	0.28006	0.32650	0.45565	0.80785	0.68318
911	0.97646	0.44839	0.90490	0.35729	0.48183	0.98397
912	0.14461	0.35941	0.12234	0.30813	0.93011	0.66923
913	0.25441	0.97208	0.55743	0.18365	0.08871	0.29193
914	0.37910	0.81570	0.02901	0.16207	0.73547	0.50172
915	0.00209	0.58365	0.54150	0.41967	0.40408	0.98635
916	0.31380	0.85208	0.32388	0.91982	0.01690	0.08494
917	0.57106	0.42374	0.08758	0.42083	0.86153	0.63562
918	0.26900	0.79666	0.12801	0.32748	0.03613	0.37007
919	0.87538	0.25797	0.39489	0.51134	0.98843	0.91745
920	0.87752	0.10257	0.15627	0.72488	0.27361	0.23014
921	0.89162	0.47696	0.38140	0.73418	0.15585	0.99395
922	0.58467	0.34793	0.46725	0.79562	0.17858	0.33509
923	0.15883	0.09634	0.43383	0.60107	0.32864	0.88662
924	0.14827	0.23587	0.21328	0.31704	0.91900	0.02671
925	0.27858	0.75674	0.15765	0.84246	0.81539	0.85131
926	0.13863	0.59451	0.39046	0.91024	0.13158	0.19368

927	0.41493	0.72379	0.12707	0.15759	0.01846	0.75326
928	0.43855	0.37698	0.58865	0.79006	0.67181	0.14653
929	0.79445	0.88809	0.63506	0.96441	0.18392	0.44207
930	0.74336	0.66141	0.74142	0.51510	0.36388	0.49269
931	0.20619	0.76529	0.44335	0.14965	0.15163	0.12674
932	0.06087	0.65091	0.87612	0.73769	0.75079	0.01146
933	0.50172	0.49600	0.53240	0.81878	0.10519	0.75061
934	0.21138	0.67361	0.86385	0.95394	0.84423	0.52900
935	0.09511	0.84586	0.85143	0.04601	0.32192	0.36642
936	0.32771	0.18265	0.16946	0.25368	0.87469	0.79338
937	0.46291	0.20547	0.06841	0.62432	0.92294	0.51129
938	0.35518	0.75613	0.60152	0.07052	0.04137	0.34950
939	0.64418	0.59048	0.32006	0.81542	0.62307	0.58169
940	0.55159	0.09720	0.06240	0.93179	0.26226	0.41417
941	0.74049	0.64151	0.96185	0.09978	0.48092	0.20849
942	0.98726	0.03397	0.29818	0.20858	0.92406	0.75105
943	0.41591	0.62418	0.31799	0.92663	0.64883	0.63192
944	0.04500	0.51956	0.64870	0.86575	0.63226	0.54570
945	0.39699	0.42911	0.43145	0.46392	0.12289	0.07660
946	0.92012	0.63211	0.79757	0.21188	0.96105	0.28053
947	0.97279	0.57193	0.81396	0.34838	0.49294	0.12649
948	0.12044	0.57474	0.52212	0.64931	0.20342	0.60984
949	0.49489	0.19327	0.19598	0.43548	0.69259	0.09997
950	0.96626	0.67557	0.44344	0.42416	0.12109	0.23481
951	0.87733	0.05875	0.27673	0.54943	0.74917	0.42477
952	0.09041	0.38773	0.77639	0.37624	0.69451	0.77848
953	0.09669	0.55899	0.47417	0.23321	0.53378	0.01300
954	0.93819	0.28934	0.07955	0.68917	0.87292	0.66078
955	0.69203	0.70963	0.67504	0.49853	0.51125	0.63614
956	0.26741	0.08353	0.00527	0.64028	0.32427	0.97349
957	0.26491	0.15128	0.98479	0.57586	0.49020	0.30005
958	0.64839	0.59842	0.04964	0.35067	0.18530	0.35530
959	0.97939	0.14957	0.47765	0.66442	0.37295	0.61996
960	0.96394	0.78714	0.30251	0.53518	0.81145	0.86674
961	0.06203	0.59512	0.94659	0.68218	0.90560	0.19549
962	0.90938	0.72781	0.19747	0.25240	0.52697	0.86525
963	0.30190	0.00357	0.65331	0.01586	0.42800	0.98562
964	0.49251	0.62357	0.26186	0.65469	0.37481	0.88011
965	0.55055	0.51553	0.07830	0.27093	0.62374	0.68371
966	0.53365	0.80252	0.86678	0.73812	0.86669	0.48750
967	0.22206	0.89664	0.67077	0.02160	0.27016	0.09249
968	0.16560	0.71780	0.97707	0.09255	0.73309	0.18547
969	0.79298	0.53751	0.59869	0.56084	0.98837	0.49908
970	0.33369	0.94754	0.90133	0.65157	0.67321	0.26893
971	0.30238	0.45377	0.49877	0.65038	0.99319	0.04995
972	0.29573	0.19485	0.04189	0.44253	0.10503	0.70469
973	0.85182	0.28604	0.22649	0.27068	0.84322	0.12597

974	0.12202	0.28787	0.64486	0.33651	0.91528	0.00642
975	0.10536	0.29996	0.60607	0.37096	0.19082	0.71737
976	0.19539	0.17972	0.55007	0.79836	0.20940	0.10966
977	0.78957	0.38614	0.18047	0.61919	0.53207	0.79876
978	0.71114	0.94852	0.94112	0.63668	0.06164	0.24684
979	0.19350	0.06021	0.96142	0.15209	0.95681	0.70413
980	0.17708	0.79739	0.09536	0.75381	0.26495	0.82225
981	0.66872	0.46280	0.17937	0.32513	0.89864	0.50183
982	0.91353	0.05447	0.13387	0.89584	0.08105	0.28706
983	0.12929	0.35953	0.03356	0.46252	0.88491	0.36959
984	0.55330	0.17288	0.77151	0.40261	0.99041	0.01432
985	0.55177	0.14102	0.44195	0.60723	0.28671	0.96954
986	0.54170	0.73074	0.06686	0.95773	0.44225	0.17396
987	0.47523	0.82291	0.79125	0.27099	0.06887	0.82315
988	0.63655	0.43118	0.17226	0.33852	0.60455	0.60777
989	0.50124	0.04581	0.68694	0.18426	0.54000	0.68628
990	0.40816	0.10233	0.08382	0.16610	0.11401	0.70442
991	0.79384	0.07535	0.70324	0.04626	0.10244	0.92416
992	0.73933	0.69730	0.39138	0.65530	0.82610	0.27446
993	0.57961	0.80215	0.13311	0.27496	0.00228	0.88641
994	0.32539	0.29422	0.02853	0.36471	0.56506	0.42530
995	0.64760	0.74185	0.73827	0.75707	0.07937	0.28201
996	0.17415	0.09622	0.02261	0.94668	0.87383	0.43626
997	0.84938	0.03506	0.49920	0.59808	0.51730	0.55432
998	0.10591	0.43143	0.24471	0.89730	0.76415	0.63350
999	0.59901	0.44742	0.36510	0.87218	0.59341	0.25607
1000	0.25349	0.75296	0.15969	0.30642	0.46648	0.26506

Histogram

Upper bound	1
Lower bound	0
k bins	10
bin width	0.1

Bin	<.1	.1-.2	<.3	<.4	<.5	<.6	<.7	<.8	<.9	<= 1	Total
Inspector 1	105	112	96	112	86	101	85	98	98	107	1000
Inspector 2	124	107	109	85	92	99	82	92	106	104	1000
Inspector 2 C2 (	108	120	99	95	84	94	99	110	90	101	1000
Workstation 1	98	100	96	111	109	108	99	101	101	77	1000
Workstation 2	114	115	106	102	91	92	89	104	103	84	1000
Workstation 3	92	125	93	102	90	107	93	108	93	97	1000

Uniform Distribution

Formula	(x-a) / (b-a)					
a	0					
b	1					
	Insp 1	Insp 2	Insp 2 C2 C3 Prob	WS 1	WS 2	WS
Sample Mean	0.49403	0.48714	0.49151	0.49164	0.48152	0.49349
Sample Variance	0.08560	0.08890	0.08612	0.07887	0.08479	0.08274

Inspector 1

Class	Oi	Pi	Ei = n * pi	X0^2
0.1	105	0.1	100	0.25
0.2	112	0.1	100	1.44
0.3	96	0.1	100	0.16
0.4	112	0.1	100	1.44
0.5	86	0.1	100	1.96
0.6	101	0.1	100	0.01
0.7	85	0.1	100	2.25
0.8	98	0.1	100	0.04
0.9	98	0.1	100	0.04
1	107	0.1	100	0.49
Total	1000	1	1000	8.08

Significance Level	0.05	Degree of	8	X0.05	15.5

Since 8.08 < 15.5 we can not reject the Null hypothesis (H0).
Therefore the uniform distribution is assumed to be correct.

Inspector 2

Class	Oi	Pi	Ei = n * pi	X0^2
0.1	124	0.1	100	5.76
0.2	107	0.1	100	0.49
0.3	109	0.1	100	0.81
0.4	85	0.1	100	2.25
0.5	92	0.1	100	0.64
0.6	99	0.1	100	0.01
0.7	82	0.1	100	3.24
0.8	92	0.1	100	0.64
0.9	106	0.1	100	0.36
1	104	0.1	100	0.16
Total	1000	1	1000	14.36

Significance Level	0.05	Degree of	8	X0.05	15.5

Since 14.36 < 15.5 we can not reject the Null hypothesis (H0).
Therefore the uniform distribution is assumed to be correct.

Inspector 2 C2 C3 Prob

Class	Oi	Pi	Ei = n * pi	X0^2
0.1	108	0.1	100	0.64
0.2	120	0.1	100	4
0.3	99	0.1	100	0.01
0.4	95	0.1	100	0.25
0.5	84	0.1	100	2.56
0.6	94	0.1	100	0.36
0.7	99	0.1	100	0.01
0.8	110	0.1	100	1
0.9	90	0.1	100	1
1	101	0.1	100	0.01
Total	1000	1	1000	9.84

Significance Level	0.05	Degree of	8	X0.05	15.5

Since 9.84 < 15.5 we can not reject the Null hypothesis (H0).
Therefore the uniform distribution is assumed to be correct.

Workstation 1

Class	Oi	Pi	Ei = n * pi	X0^2
0.1	98	0.1	100	0.04
0.2	100	0.1	100	0
0.3	96	0.1	100	0.16
0.4	111	0.1	100	1.21
0.5	109	0.1	100	0.81
0.6	108	0.1	100	0.64
0.7	99	0.1	100	0.01
0.8	101	0.1	100	0.01
0.9	101	0.1	100	0.01
1	77	0.1	100	5.29
Total	1000	1	1000	8.18

Significance Level	0.05	Degree of	8	X0.05	15.5

Since 8.18 < 15.5 we can not reject the Null hypothesis (H0).
Therefore the uniform distribution is assumed to be correct.

Workstation 2

Class	Oi	Pi	Ei = n * pi	X0^2
0.1	114	0.1	100	1.96
0.2	115	0.1	100	2.25
0.3	106	0.1	100	0.36
0.4	102	0.1	100	0.04
0.5	91	0.1	100	0.81
0.6	92	0.1	100	0.64
0.7	89	0.1	100	1.21
0.8	104	0.1	100	0.16
0.9	103	0.1	100	0.09
1	84	0.1	100	2.56
Total	1000	1	1000	10.08

Significance Level	0.05	Degree of	8	X0.05	15.5

Since 10.08 < 15.5 we can not reject the Null hypothesis (H0).
Therefore the uniform distribution is assumed to be correct.

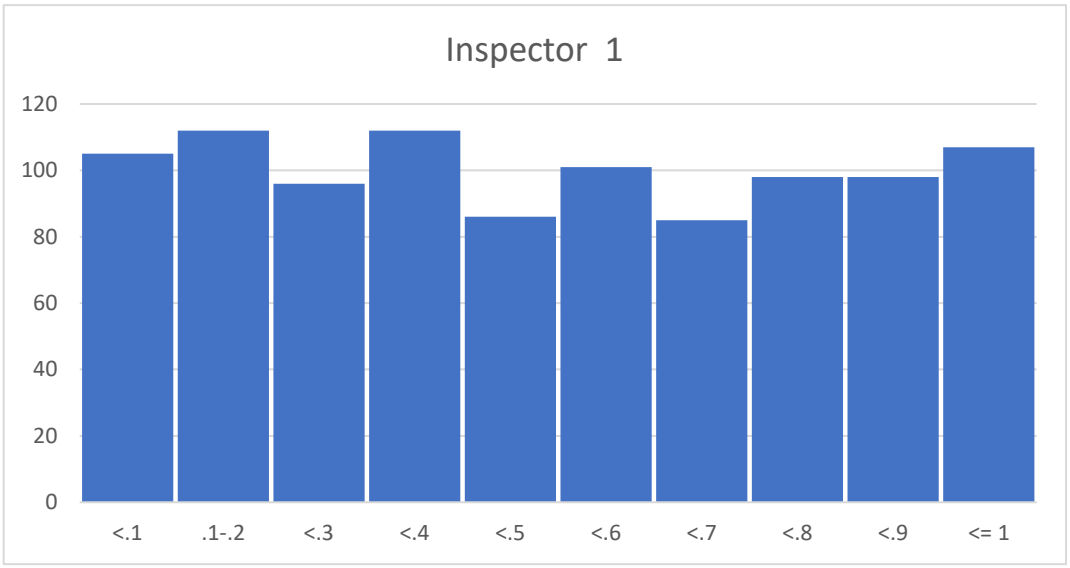
Workstation 3

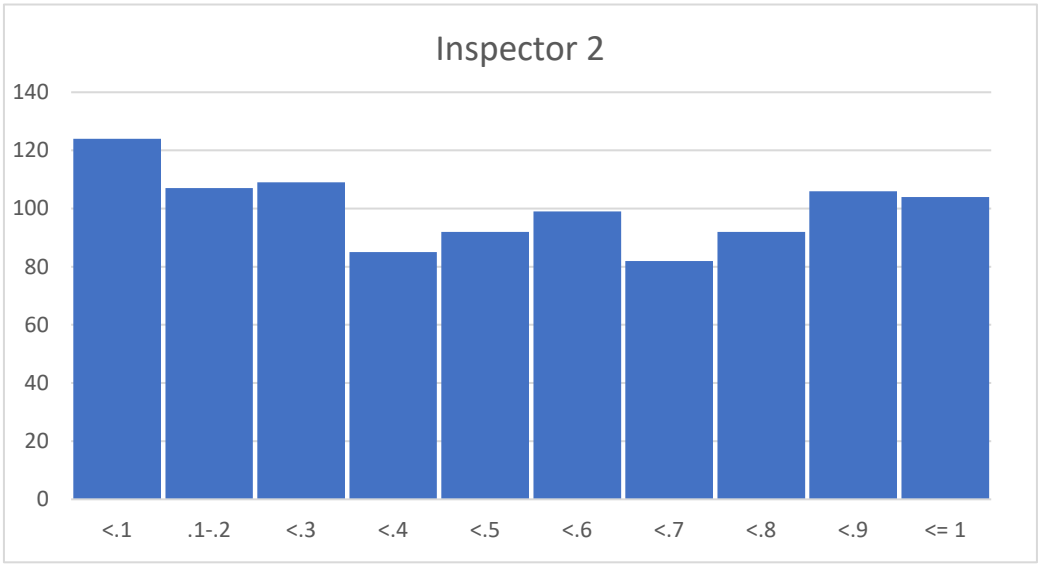
Class	Oi	Pi	Ei = n * pi	X0^2
0.1	92	0.1	100	0.64
0.2	125	0.1	100	6.25
0.3	93	0.1	100	0.49
0.4	102	0.1	100	0.04
0.5	90	0.1	100	1
0.6	107	0.1	100	0.49
0.7	93	0.1	100	0.49
0.8	108	0.1	100	0.64
0.9	93	0.1	100	0.49
1	97	0.1	100	0.09
Total	1000	1	1000	10.62

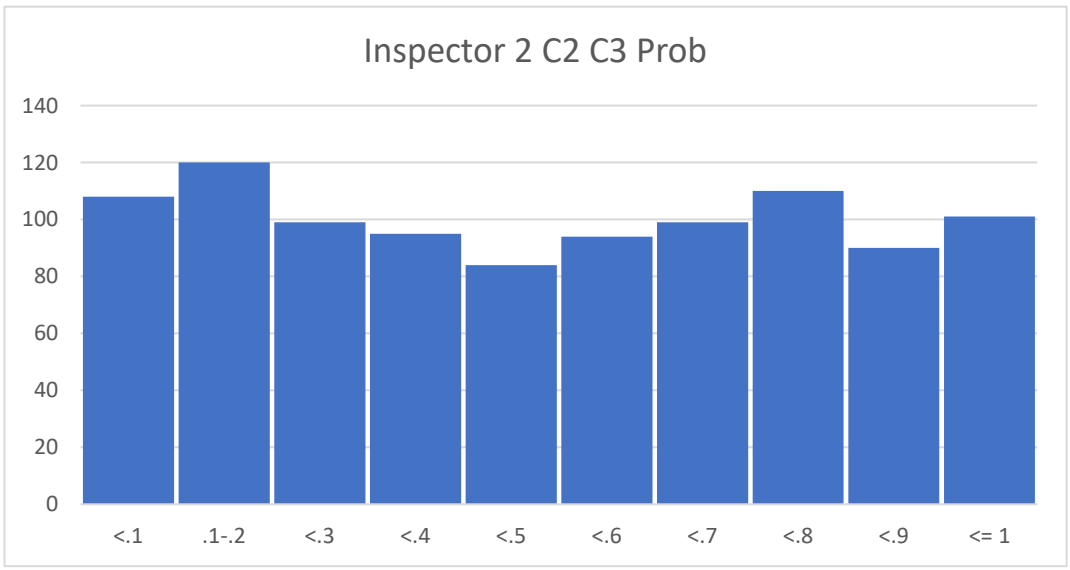
Significance Level	0.05	Degree of	8	X0.05	15.5

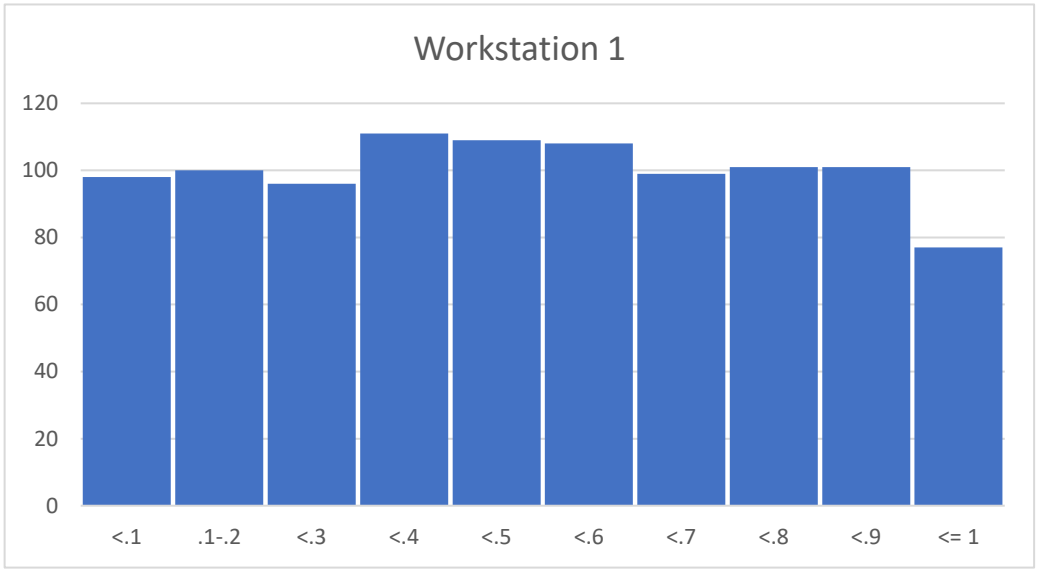
Since 10.62< 15.5 we can not reject the Null hypothesis (H0).
Therefore the uniform distribution is assumed to be correct.

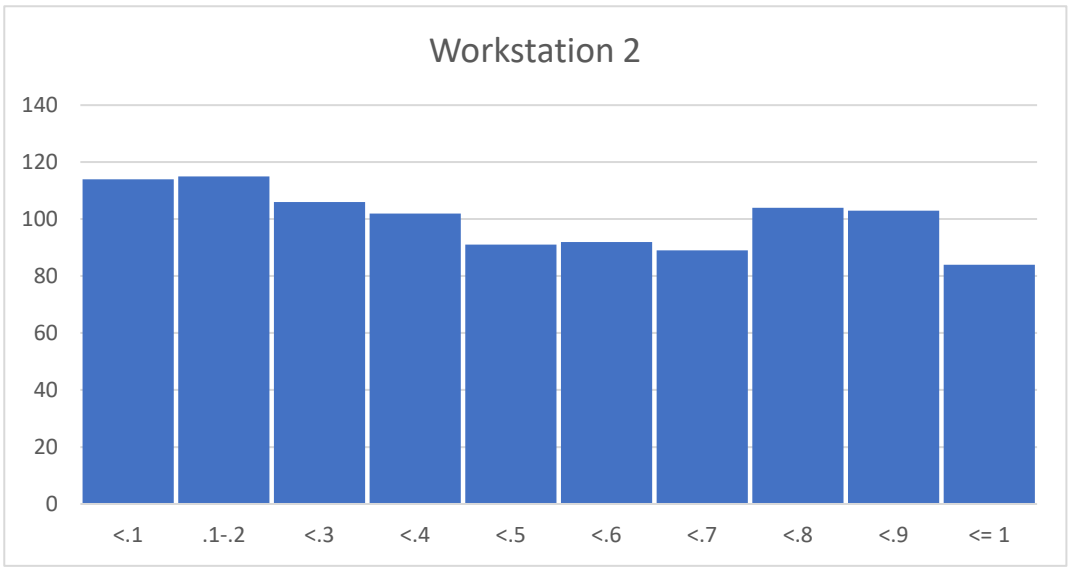
Histrograms

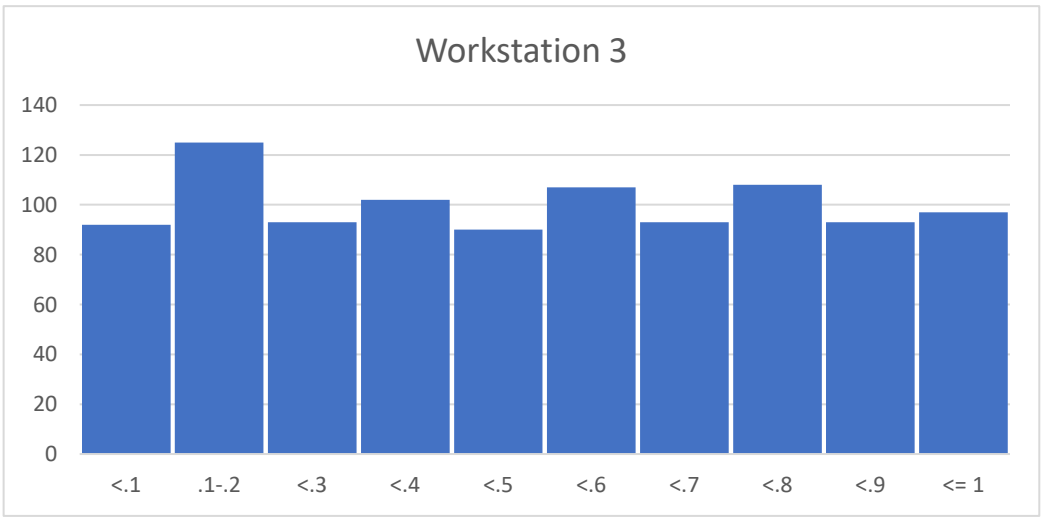




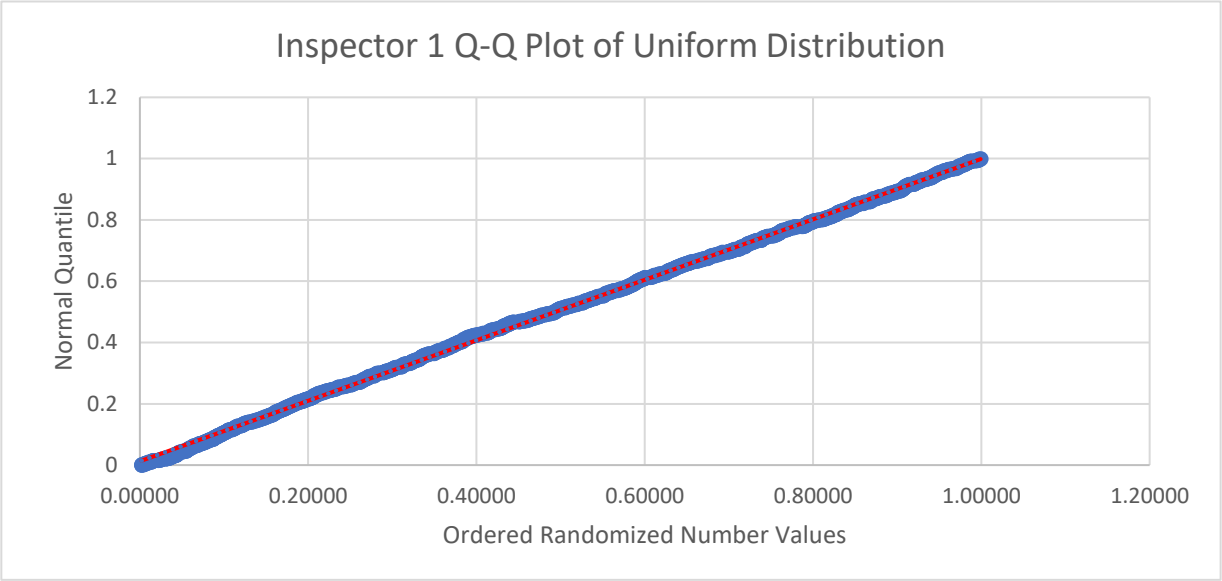


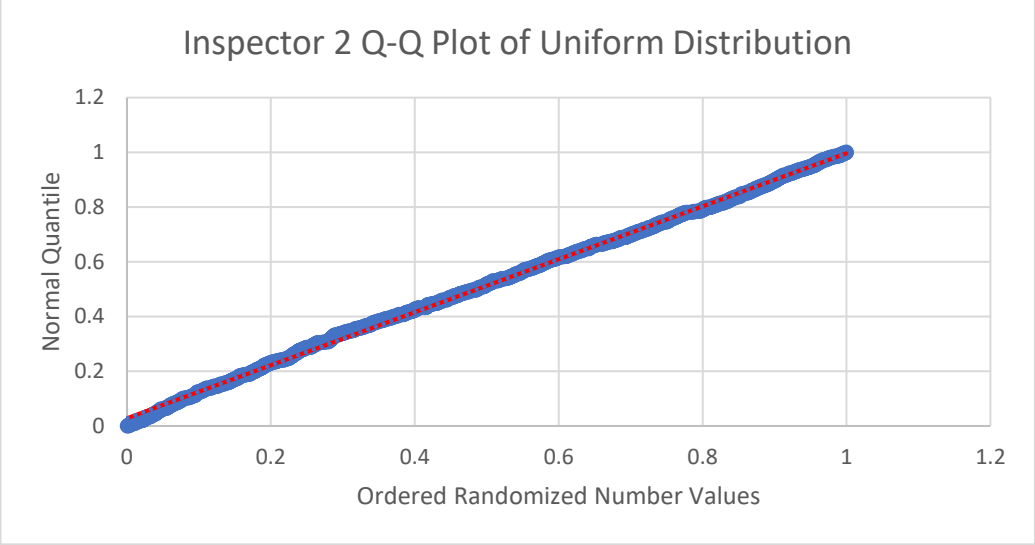

Workstation 1
120
100
80
60
40
20
0
<.1
.1-.2
<.3
<.4
<.5
<.6
<.7
<.8
<.9
<= 1

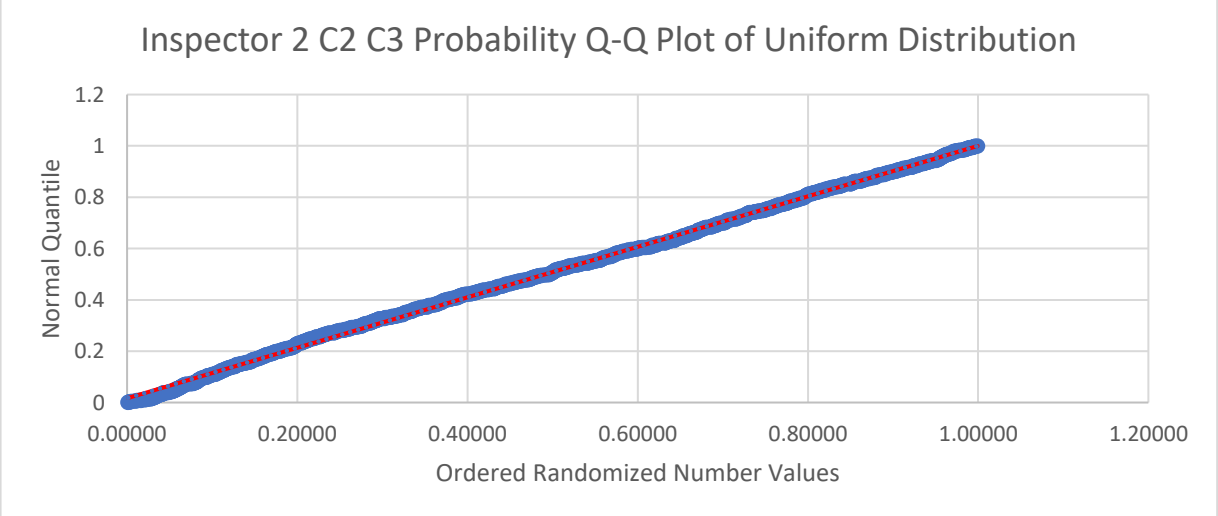

Workstation 2
140
120
100
80
60
40
20
0
<.1
.1-.2
<.3
<.4
<.5
<.6
<.7
<.8
<.9
<= 1

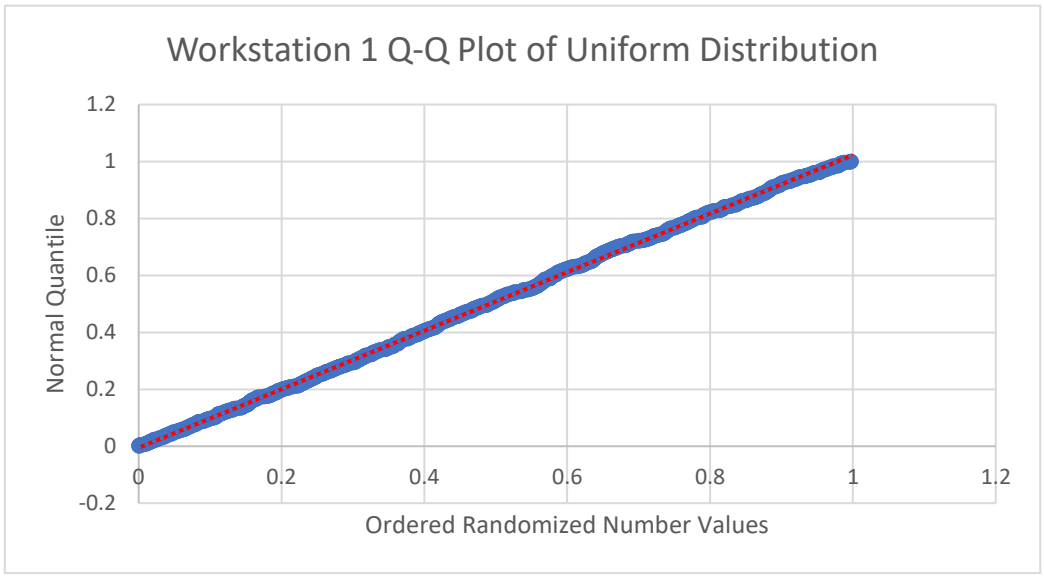

Workstation 3
140
120
100
80
60
40
20
0
<.1
.1-.2
<.3
<.4
<.5
<.6
<.7
<.8
<.9
<= 1

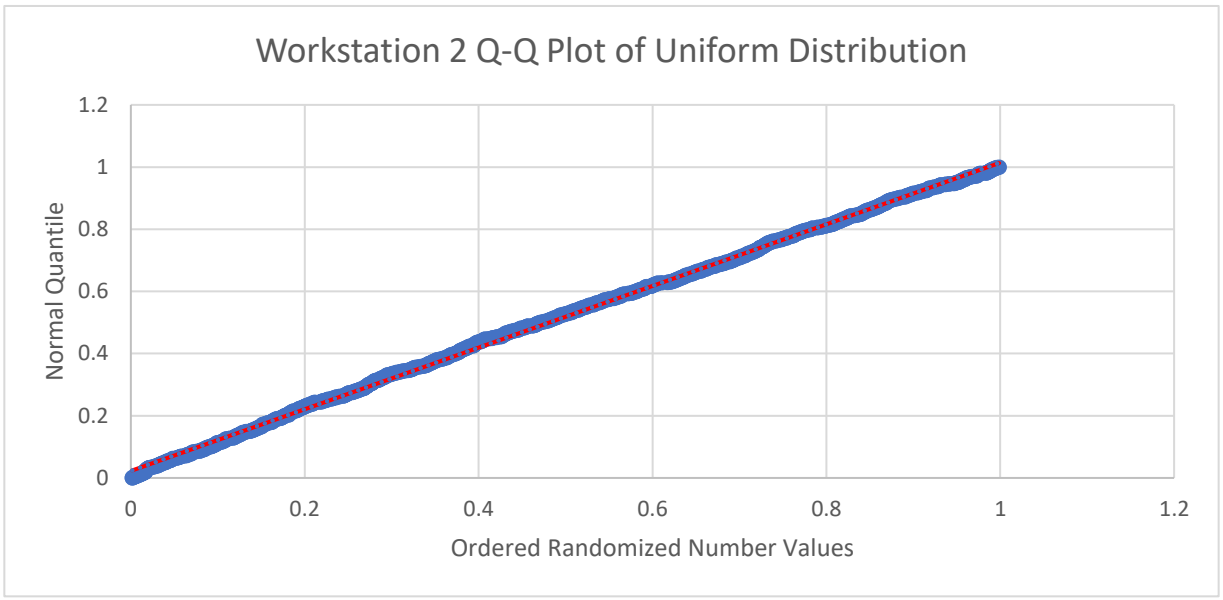
Q-Q Plots

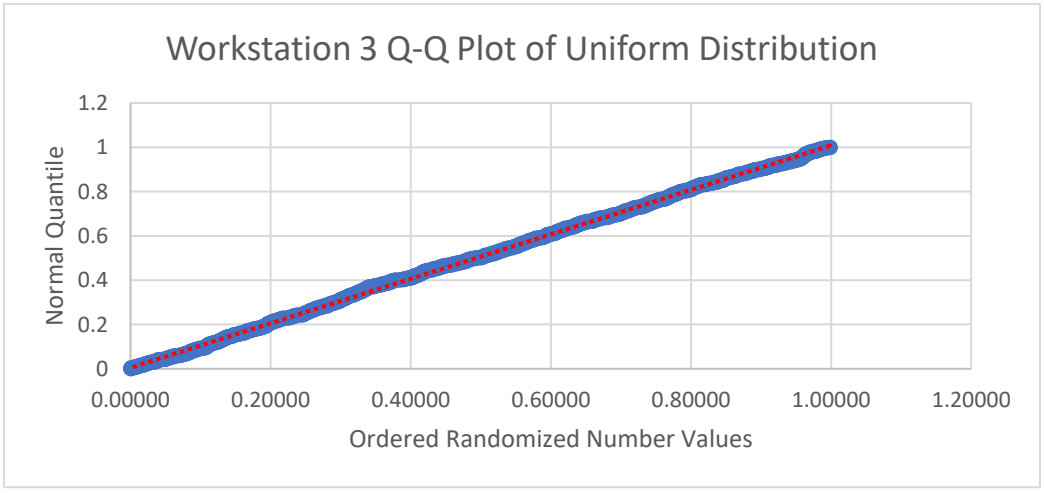

Inspector 1 Q-Q Plot of Uniform Distribution
Normal Quantile
1.2
1
0.8
0.6
0.4
0.2
0
0.00000
0.20000
0.40000
0.60000
0.80000
1.00000
1.20000
Ordered Randomized Number Values


Inspector 2 Q-Q Plot of Uniform Distribution
Normal Quantile
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
Ordered Randomized Number Values


Inspector 2 C2 C3 Probability Q-Q Plot of Uniform Distribution
Normal Quantile
1.2
1
0.8
0.6
0.4
0.2
0
0.00000
0.20000
0.40000
0.60000
0.80000
1.00000
1.20000
Ordered Randomized Number Values


Workstation 1 Q-Q Plot of Uniform Distribution
Normal Quantile
1.2
1
0.8
0.6
0.4
0.2
0
-0.2
0
0.2
0.4
0.6
0.8
1
1.2
Ordered Randomized Number Values


Workstation 2 Q-Q Plot of Uniform Distribution
Normal Quantile
1.2
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
1.2
Ordered Randomized Number Values


Workstation 3 Q-Q Plot of Uniform Distribution
Normal Quantile
1.2
1
0.8
0.6
0.4
0.2
0
0.00000
0.20000
0.40000
0.60000
0.80000
1.00000
1.20000
Ordered Randomized Number Values

Sorted Data

	Insp 1	Insp 2	Insp 2 C2 C3 Prob	WS 1	WS 2	WS 3	J-.5/n	(x-a) / (b-a)
1	0.00197	0.000641	0.00134	0.000359	0.001549	0.00024	0.0005	0.0005
2	0.00209	0.002228	0.00256	0.000664	0.001762	0.00058	0.0015	0.0015
3	0.00478	0.002716	0.00289	0.000969	0.002281	0.00084	0.0025	0.0025
4	0.00484	0.003326	0.00414	0.002464	0.004021	0.00091	0.0035	0.0035
5	0.00502	0.003571	0.00527	0.003075	0.004692	0.00163	0.0045	0.0045
6	0.00703	0.004547	0.00942	0.005119	0.006004	0.00564	0.0055	0.0055
7	0.00758	0.00528	0.01116	0.007256	0.006126	0.00634	0.0065	0.0065
8	0.00929	0.006866	0.01238	0.009697	0.007195	0.00642	0.0075	0.0075
9	0.01021	0.008575	0.01614	0.010551	0.007835	0.00659	0.0085	0.0085
10	0.01027	0.010406	0.01635	0.011528	0.009148	0.00775	0.0095	0.0095
11	0.01357	0.010529	0.02062	0.012413	0.010338	0.01007	0.0105	0.0105
12	0.01393	0.011261	0.02261	0.013939	0.010643	0.01146	0.0115	0.0115
13	0.01436	0.012238	0.02309	0.014	0.01165	0.01147	0.0125	0.0125
14	0.01466	0.012482	0.02474	0.015404	0.012352	0.01300	0.0135	0.0135
15	0.01588	0.013458	0.02804	0.015862	0.012962	0.01341	0.0145	0.0145
16	0.0217683	0.014679	0.02853	0.016167	0.014519	0.01432	0.0155	0.0155
17	0.02412	0.015045	0.02901	0.016533	0.014549	0.01748	0.0165	0.0165
18	0.02437	0.016144	0.02972	0.01754	0.014671	0.01858	0.0175	0.0175
19	0.02516	0.018341	0.03072	0.020348	0.016319	0.01863	0.0185	0.0185
20	0.02650	0.018829	0.03182	0.020775	0.016747	0.01994	0.0195	0.0195
21	0.03059	0.02066	0.03219	0.021477	0.016899	0.02047	0.0205	0.0205
22	0.03120	0.022369	0.03356	0.021538	0.01693	0.02125	0.0215	0.0215
23	0.03230	0.02298	0.03374	0.021599	0.017082	0.02191	0.0225	0.0225
24	0.03450	0.023102	0.03393	0.024162	0.017387	0.02226	0.0235	0.0235
25	0.03572	0.023224	0.03408	0.026085	0.017509	0.02481	0.0245	0.0245
26	0.03603	0.0242	0.03463	0.026634	0.017632	0.02485	0.0255	0.0255
27	0.03670	0.024811	0.03567	0.027916	0.017967	0.02613	0.0265	0.0265
28	0.03676	0.025543	0.03606	0.028709	0.018456	0.02671	0.0275	0.0275
29	0.03835	0.026154	0.03680	0.030846	0.018517	0.02880	0.0285	0.0285
30	0.03938	0.027008	0.03799	0.031364	0.018822	0.02948	0.0295	0.0295
31	0.04042	0.027252	0.03884	0.032768	0.020073	0.03175	0.0305	0.0305
32	0.04134	0.028107	0.04046	0.033409	0.020317	0.03413	0.0315	0.0315
33	0.04305	0.028229	0.04104	0.035301	0.020805	0.03511	0.0325	0.0325
34	0.04323	0.028595	0.04189	0.036186	0.021141	0.03576	0.0335	0.0335
35	0.04347	0.032257	0.04211	0.036552	0.023186	0.03613	0.0345	0.0345
36	0.04390	0.032501	0.04238	0.037132	0.024712	0.03782	0.0355	0.0355
37	0.04500	0.033112	0.04253	0.037712	0.026848	0.03837	0.0365	0.0365
38	0.04506	0.033356	0.04299	0.038231	0.02755	0.03903	0.0375	0.0375
39	0.04543	0.033966	0.04612	0.040733	0.028618	0.03907	0.0385	0.0385
40	0.04555	0.035065	0.04903	0.04174	0.030785	0.03918	0.0395	0.0395
41	0.04634	0.035187	0.04964	0.042015	0.031151	0.03982	0.0405	0.0405
42	0.04707	0.036163	0.05090	0.042229	0.031242	0.04351	0.0415	0.0415
43	0.04823	0.037018	0.05239	0.042747	0.032524	0.04882	0.0425	0.0425

44	0.05080	0.038361	0.05306	0.045891	0.033623	0.04925	0.0435	0.0435
45	0.05098	0.039215	0.05367	0.046013	0.033836	0.04995	0.0445	0.0445
46	0.05202	0.039825	0.05459	0.046257	0.034386	0.05099	0.0455	0.0455
47	0.05489	0.040192	0.05520	0.046806	0.036125	0.05137	0.0465	0.0465
48	0.05513	0.040558	0.05593	0.04821	0.03643	0.05189	0.0475	0.0475
49	0.05592	0.041168	0.05636	0.048454	0.03701	0.05426	0.0485	0.0485
50	0.05605	0.041412	0.05755	0.050987	0.038963	0.05438	0.0495	0.0495
51	0.05623	0.042023	0.05767	0.051537	0.040337	0.05484	0.0505	0.0505
52	0.05733	0.042145	0.05770	0.052879	0.04055	0.05777	0.0515	0.0515
53	0.05745	0.043121	0.05776	0.054039	0.040977	0.05799	0.0525	0.0525
54	0.05873	0.043732	0.05819	0.055138	0.041374	0.05862	0.0535	0.0535
55	0.05879	0.044708	0.06045	0.057091	0.041862	0.05890	0.0545	0.0545
56	0.05922	0.045197	0.06072	0.058922	0.044243	0.06031	0.0555	0.0555
57	0.06050	0.045319	0.06130	0.059227	0.04525	0.06100	0.0565	0.0565
58	0.06087	0.045807	0.06179	0.060173	0.046349	0.06265	0.0575	0.0575
59	0.06203	0.046295	0.06240	0.061089	0.046989	0.06520	0.0585	0.0585
60	0.06270	0.046539	0.06286	0.063622	0.047203	0.06619	0.0595	0.0595
61	0.06343	0.046783	0.06347	0.064568	0.047478	0.06953	0.0605	0.0605
62	0.06361	0.049835	0.06356	0.064751	0.047905	0.07147	0.0615	0.0615
63	0.06386	0.050446	0.06423	0.065819	0.048515	0.07170	0.0625	0.0625
64	0.06593	0.051056	0.06524	0.066704	0.052299	0.07313	0.0635	0.0635
65	0.06813	0.054474	0.06561	0.068077	0.053337	0.07551	0.0645	0.0645
66	0.06862	0.05484	0.06606	0.068138	0.054619	0.07597	0.0655	0.0655
67	0.06923	0.055328	0.06622	0.069511	0.055901	0.07660	0.0665	0.0665
68	0.06984	0.05545	0.06686	0.070366	0.056053	0.07785	0.0675	0.0675
69	0.06990	0.056671	0.06762	0.070518	0.056816	0.07960	0.0685	0.0685
70	0.07057	0.057037	0.06841	0.07177	0.057396	0.08029	0.0695	0.0695
71	0.07167	0.058136	0.06881	0.072563	0.058342	0.08105	0.0705	0.0705
72	0.07399	0.058624	0.07015	0.074242	0.061638	0.08195	0.0715	0.0715
73	0.07411	0.058746	0.07473	0.074516	0.064079	0.08242	0.0725	0.0725
74	0.07503	0.059357	0.07497	0.074791	0.06411	0.08364	0.0735	0.0735
75	0.07655	0.059967	0.07781	0.075523	0.06469	0.08426	0.0745	0.0745
76	0.07777	0.060211	0.07830	0.077721	0.064934	0.08487	0.0755	0.0755
77	0.07784	0.060944	0.07870	0.077965	0.066368	0.08494	0.0765	0.0765
78	0.07875	0.061066	0.07955	0.079979	0.068871	0.08575	0.0775	0.0775
79	0.07948	0.063385	0.08086	0.080376	0.069206	0.08667	0.0785	0.0785
80	0.08058	0.063995	0.08114	0.080711	0.069298	0.08744	0.0795	0.0795
81	0.08241	0.06424	0.08184	0.081535	0.069847	0.08755	0.0805	0.0805
82	0.08278	0.064728	0.08230	0.081932	0.070671	0.08879	0.0815	0.0815
83	0.08296	0.066193	0.08242	0.082329	0.071068	0.09037	0.0825	0.0825
84	0.08351	0.066925	0.08315	0.082695	0.071312	0.09065	0.0835	0.0835
85	0.08711	0.067657	0.08346	0.084068	0.073662	0.09146	0.0845	0.0845
86	0.08730	0.069489	0.08370	0.084221	0.075798	0.09249	0.0855	0.0855
87	0.08736	0.069977	0.08382	0.088188	0.079369	0.09457	0.0865	0.0865
88	0.08797	0.070831	0.08398	0.090141	0.079613	0.09536	0.0875	0.0875
89	0.08803	0.071075	0.08498	0.090752	0.080193	0.09587	0.0885	0.0885

90	0.08809	0.072174	0.085195541	0.092552	0.081047	0.09724	0.0895	0.0895
91	0.08907	0.072662	0.08614	0.09304	0.082481	0.09764	0.0905	0.0905
92	0.09041	0.073639	0.08666	0.094475	0.084435	0.09997	0.0915	0.0915
93	0.09114	0.073883	0.08700	0.095482	0.084465	0.10002	0.0925	0.0925
94	0.09151	0.074982	0.08730	0.095787	0.085228	0.10417	0.0935	0.0935
95	0.09181	0.075348	0.08758	0.097282	0.085289	0.10490	0.0945	0.0945
96	0.09218	0.07608	0.08831	0.098656	0.08596	0.10551	0.0955	0.0955
97	0.09236	0.076324	0.08999	0.098898	0.086906	0.10598	0.0965	0.0965
98	0.09383	0.076569	0.09158	0.099785	0.088402	0.10772	0.0975	0.0975
99	0.09511	0.076813	0.09310	0.102715	0.088707	0.10774	0.0985	0.0985
100	0.09590	0.078156	0.09386	0.104851	0.089531	0.10850	0.0995	0.0995
101	0.09669	0.0784	0.09426	0.105858	0.092216	0.10876	0.1005	0.1005
102	0.09694	0.081207	0.09429	0.107506	0.092949	0.10958	0.1015	0.1015
103	0.09792	0.083527	0.09435	0.107536	0.09301	0.10966	0.1025	0.1025
104	0.09804	0.084137	0.09441	0.108086	0.093498	0.10994	0.1035	0.1035
105	0.09908	0.0867	0.09536	0.108452	0.094627	0.11047	0.1045	0.1045
106	0.10030	0.087433	0.09798	0.109001	0.095177	0.11059	0.1055	0.1055
107	0.10048	0.088409	0.09881	0.109734	0.096245	0.11065	0.1065	0.1065
108	0.10158	0.089142	0.099790573	0.110161	0.09655	0.11068	0.1075	0.1075
109	0.10249	0.090607	0.10021	0.110466	0.09771	0.11088	0.1085	0.1085
110	0.10316	0.091217	0.10082	0.110741	0.098289	0.11137	0.1095	0.1095
111	0.10371	0.091949	0.10424	0.110985	0.098534	0.11213	0.1105	0.1105
112	0.10426	0.093414	0.10445	0.111168	0.098564	0.11381	0.1115	0.1115
113	0.10432	0.094391	0.10458	0.11132	0.099083	0.11460	0.1125	0.1125
114	0.10536	0.094879	0.10497	0.112236	0.099297	0.11622	0.1135	0.1135
115	0.10591	0.095001	0.10506	0.115044	0.10244	0.11679	0.1145	0.1145
116	0.10780	0.095367	0.10629	0.116661	0.102959	0.11723	0.1155	0.1155
117	0.10933	0.09549	0.10757	0.116753	0.105034	0.11900	0.1165	0.1165
118	0.11006	0.095734	0.10839	0.119225	0.105186	0.11909	0.1175	0.1175
119	0.11024	0.096222	0.10903	0.119621	0.106041	0.11969	0.1185	0.1185
120	0.11110	0.096344	0.10937	0.120567	0.107079	0.12234	0.1195	0.1195
121	0.11275	0.097198	0.11028	0.121635	0.107933	0.12309	0.1205	0.1205
122	0.11293	0.097321	0.11044	0.123863	0.108604	0.12463	0.1215	0.1215
123	0.11299	0.097443	0.11071	0.124443	0.10891	0.12559	0.1225	0.1225
124	0.11366	0.098297	0.11089	0.125267	0.108971	0.12597	0.1235	0.1235
125	0.11378	0.100861	0.11095	0.125511	0.109215	0.12649	0.1245	0.1245
126	0.11574	0.102325	0.11379	0.125786	0.10952	0.12674	0.1255	0.1255
127	0.11598	0.10257	0.11425	0.130669	0.112907	0.12706	0.1265	0.1265
128	0.11635	0.104156	0.11431	0.130943	0.114006	0.12757	0.1275	0.1275
129	0.11971	0.104401	0.11459	0.13195	0.117455	0.12895	0.1285	0.1285
130	0.12044	0.105377	0.11550	0.132042	0.118523	0.13012	0.1295	0.1295
131	0.12190	0.106476	0.11605	0.133507	0.118675	0.13050	0.1305	0.1305
132	0.12202	0.106964	0.11727	0.134819	0.119774	0.13105	0.1315	0.1315
133	0.12221	0.107086	0.11806	0.135368	0.120079	0.13108	0.1325	0.1325
134	0.12331	0.107697	0.11831	0.139153	0.120171	0.13206	0.1335	0.1335
135	0.12343	0.108551	0.11916	0.142662	0.121086	0.13339	0.1345	0.1345

136	0.12434	0.108917	0.11980	0.143883	0.122887	0.13362	0.1355	0.1355
137	0.12526	0.110748	0.12197	0.145042	0.123161	0.13473	0.1365	0.1365
138	0.12685	0.111237	0.12234	0.145164	0.123222	0.13478	0.1375	0.1375
139	0.12770	0.115143	0.12344	0.145744	0.123894	0.13481	0.1385	0.1385
140	0.12929	0.116608	0.12441	0.146873	0.124626	0.13511	0.1395	0.1395
141	0.12996	0.118073	0.12691	0.147057	0.126091	0.13742	0.1405	0.1405
142	0.13295	0.118195	0.12707	0.147179	0.126152	0.13743	0.1415	0.1415
143	0.13313	0.119415	0.12713	0.14785	0.127098	0.13856	0.1425	0.1425
144	0.13411	0.120758	0.12801	0.149651	0.127464	0.13867	0.1435	0.1435
145	0.13576	0.121613	0.12820	0.150719	0.127739	0.13888	0.1445	0.1445
146	0.13777	0.124908	0.12835	0.152092	0.128654	0.14067	0.1455	0.1455
147	0.13863	0.125519	0.12859	0.152367	0.128716	0.14395	0.1465	0.1465
148	0.13911	0.12674	0.12899	0.152794	0.131584	0.14404	0.1475	0.1475
149	0.14149	0.127838	0.13177	0.153242	0.131828	0.14543	0.1485	0.1485
150	0.14229	0.128693	0.13311	0.15374	0.13253	0.14579	0.1495	0.1495
151	0.14326	0.129791	0.13387	0.153862	0.136955	0.14653	0.1505	0.1505
152	0.14412	0.130157	0.13427	0.153954	0.137413	0.14660	0.1515	0.1515
153	0.14461	0.130402	0.13683	0.154381	0.138878	0.14758	0.1525	0.1525
154	0.14705	0.134064	0.13897	0.154747	0.140312	0.14834	0.1535	0.1535
155	0.14772	0.134796	0.13921	0.156395	0.140404	0.14877	0.1545	0.1545
156	0.14815	0.136749	0.14071	0.156487	0.141014	0.15261	0.1555	0.1555
157	0.14827	0.136993	0.14092	0.157005	0.14254	0.15319	0.1565	0.1565
158	0.15089	0.13736	0.14404	0.157585	0.143364	0.15510	0.1575	0.1575
159	0.15120	0.140778	0.14471	0.15789	0.144341	0.15631	0.1585	0.1585
160	0.15236	0.1409	0.14477	0.15844	0.145012	0.15632	0.1595	0.1595
161	0.15260	0.141022	0.14642	0.15847	0.145348	0.15655	0.1605	0.1605
162	0.15407	0.142242	0.14672	0.158684	0.146996	0.16092	0.1615	0.1615
163	0.15462	0.143951	0.14678	0.161705	0.147575	0.16145	0.1625	0.1625
164	0.15535	0.144073	0.14684	0.162071	0.147972	0.16346	0.1635	0.1635
165	0.15681	0.144196	0.14690	0.162315	0.150047	0.16371	0.1645	0.1645
166	0.15773	0.144684	0.14849	0.164574	0.150475	0.16473	0.1655	0.1655
167	0.15810	0.145905	0.14874	0.16497	0.150658	0.16484	0.1665	0.1665
168	0.15883	0.146515	0.14913	0.165092	0.15081	0.16485	0.1675	0.1675
169	0.15926	0.147491	0.15200	0.165489	0.150993	0.16493	0.1685	0.1685
170	0.15993	0.148834	0.15231	0.1661	0.151085	0.16511	0.1695	0.1695
171	0.16060	0.149567	0.15243	0.166191	0.151237	0.16674	0.1705	0.1705
172	0.16078	0.150299	0.15459	0.166649	0.151634	0.16818	0.1715	0.1715
173	0.16133	0.151276	0.15524	0.169395	0.152916	0.17028	0.1725	0.1725
174	0.16139	0.151642	0.15627	0.173973	0.154655	0.17163	0.1735	0.1735
175	0.16316	0.153473	0.15655	0.176781	0.155113	0.17291	0.1745	0.1745
176	0.16347	0.153961	0.15697	0.180504	0.155846	0.17295	0.1755	0.1755
177	0.16530	0.154205	0.15765	0.180656	0.156792	0.17396	0.1765	0.1765
178	0.16560	0.155182	0.15917	0.182854	0.156914	0.17451	0.1775	0.1775
179	0.16646	0.155304	0.15969	0.183647	0.159874	0.17508	0.1785	0.1785
180	0.16737	0.155792	0.15978	0.184105	0.162132	0.17659	0.1795	0.1795
181	0.16878	0.156281	0.16003	0.184258	0.162163	0.17907	0.1805	0.1805
182	0.16957	0.156403	0.16241	0.186455	0.162193	0.18089	0.1815	0.1815

183	0.17110	0.156647	0.16259	0.187248	0.162865	0.18136	0.1825	0.1825
184	0.17128	0.15799	0.16280	0.187462	0.163231	0.18280	0.1835	0.1835
185	0.17171	0.159943	0.16311	0.18792	0.163811	0.18547	0.1845	0.1845
186	0.17177	0.162384	0.16363	0.188194	0.164543	0.18603	0.1855	0.1855
187	0.17378	0.163116	0.16415	0.190269	0.165794	0.18605	0.1865	0.1865
188	0.17415	0.164459	0.16677	0.191246	0.165947	0.18650	0.1875	0.1875
189	0.17439	0.167633	0.16735	0.192772	0.166527	0.18835	0.1885	0.1885
190	0.17482	0.170441	0.16933	0.19323	0.167015	0.18927	0.1895	0.1895
191	0.17519	0.170563	0.16946	0.193718	0.167931	0.19064	0.1905	0.1905
192	0.17696	0.170685	0.17004	0.193932	0.17086	0.19087	0.1915	0.1915
193	0.17708	0.171173	0.17226	0.194359	0.172783	0.19094	0.1925	0.1925
194	0.17909	0.172272	0.17233	0.195641	0.173058	0.19305	0.1935	0.1935
195	0.17915	0.17276	0.17269	0.195702	0.173393	0.19365	0.1945	0.1945
196	0.17995	0.172882	0.17297	0.196922	0.173912	0.19368	0.1955	0.1955
197	0.18044	0.173859	0.17382	0.197807	0.175163	0.19439	0.1965	0.1965
198	0.18166	0.175201	0.17455	0.199425	0.175987	0.19484	0.1975	0.1975
199	0.18300	0.1763	0.17587	0.201103	0.176537	0.19511	0.1985	0.1985
200	0.18355	0.176788	0.17794	0.201164	0.176811	0.19549	0.1995	0.1995
201	0.18410	0.178253	0.17937	0.202324	0.177238	0.19566	0.2005	0.2005
202	0.18513	0.178497	0.18044	0.203636	0.178581	0.19586	0.2015	0.2015
203	0.18605	0.178619	0.18047	0.206261	0.181511	0.19596	0.2025	0.2025
204	0.18623	0.179718	0.18212	0.206902	0.181574	0.19642	0.2035	0.2035
205	0.18690	0.180084	0.18295	0.20858	0.181969	0.19691	0.2045	0.2045
206	0.18953	0.180206	0.18343	0.208672	0.18203	0.19748	0.2055	0.2055
207	0.19032	0.181915	0.18353	0.210106	0.182091	0.19807	0.2065	0.2065
208	0.19081	0.182648	0.18536	0.211876	0.182304	0.19920	0.2075	0.2075
209	0.19350	0.183502	0.18658	0.214226	0.182823	0.19981	0.2085	0.2085
210	0.19380	0.184479	0.18758	0.216179	0.183922	0.20207	0.2095	0.2095
211	0.19472	0.185577	0.18905	0.219231	0.184227	0.20210	0.2105	0.2105
212	0.19514	0.18631	0.18978	0.222404	0.184319	0.20248	0.2115	0.2115
213	0.19539	0.18692	0.19201	0.223015	0.185295	0.20250	0.2125	0.2125
214	0.19600	0.187286	0.19353	0.223167	0.185631	0.20308	0.2135	0.2135
215	0.19807	0.188141	0.19445	0.224449	0.186058	0.20538	0.2145	0.2145
216	0.19862	0.188507	0.19460	0.225487	0.187004	0.20660	0.2155	0.2155
217	0.19954	0.189117	0.19497	0.225578	0.189629	0.20791	0.2165	0.2165
218	0.20174	0.189362	0.19598	0.226341	0.190819	0.20831	0.2175	0.2175
219	0.20253	0.190094	0.19610	0.226555	0.191093	0.20849	0.2185	0.2185
220	0.20302	0.19046	0.19711	0.228539	0.192101	0.20938	0.2195	0.2195
221	0.20387	0.190582	0.19747	0.229393	0.193016	0.21142	0.2205	0.2205
222	0.20467	0.191071	0.19784	0.229881	0.193077	0.21188	0.2215	0.2215
223	0.20619	0.193146	0.19787	0.231102	0.193138	0.21263	0.2225	0.2225
224	0.20631	0.193268	0.19842	0.231438	0.194267	0.21345	0.2235	0.2235
225	0.20644	0.194122	0.19854	0.231926	0.195183	0.21530	0.2245	0.2245
226	0.20656	0.194855	0.19875	0.232597	0.197166	0.21588	0.2255	0.2255
227	0.20717	0.196564	0.19921	0.233025	0.19735	0.21673	0.2265	0.2265
228	0.20729	0.196686	0.19976	0.233208	0.198387	0.21687	0.2275	0.2275
229	0.20961	0.197784	0.20098	0.235527	0.19912	0.21955	0.2285	0.2285

230	0.21034	0.198273	0.20104	0.236717	0.200432	0.22351	0.2295	0.2295
231	0.21046	0.199493	0.20165	0.237358	0.200523	0.22639	0.2305	0.2305
232	0.21138	0.200836	0.20245	0.237846	0.201714	0.22677	0.2315	0.2315
233	0.21150	0.201935	0.20550	0.238213	0.201897	0.22851	0.2325	0.2325
234	0.21260	0.203033	0.20599	0.238762	0.203423	0.23014	0.2335	0.2335
235	0.21419	0.205475	0.20602	0.239891	0.204979	0.23043	0.2345	0.2345
236	0.21425	0.205597	0.20635	0.241631	0.205589	0.23091	0.2355	0.2355
237	0.21565	0.20816	0.20644	0.241692	0.205711	0.23259	0.2365	0.2365
238	0.21815	0.209381	0.20824	0.241997	0.208916	0.23286	0.2375	0.2375
239	0.21834	0.209747	0.20852	0.242699	0.209068	0.23359	0.2385	0.2385
240	0.21858	0.212921	0.21026	0.243431	0.209282	0.23481	0.2395	0.2395
241	0.22121	0.214508	0.21108	0.245262	0.209404	0.23704	0.2405	0.2405
242	0.22157	0.21756	0.21111	0.246513	0.210991	0.23724	0.2415	0.2415
243	0.22206	0.217926	0.21294	0.24691	0.211235	0.23930	0.2425	0.2425
244	0.22414	0.218536	0.21301	0.247917	0.211754	0.24417	0.2435	0.2435
245	0.22633	0.2211	0.21328	0.247948	0.217094	0.24623	0.2445	0.2445
246	0.22762	0.221954	0.21416	0.2481	0.219048	0.24682	0.2455	0.2455
247	0.22786	0.224396	0.21471	0.248833	0.220421	0.24684	0.2465	0.2465
248	0.23146	0.22464	0.21505	0.249687	0.220451	0.24754	0.2475	0.2475
249	0.23189	0.224884	0.21807	0.249901	0.220787	0.24842	0.2485	0.2485
250	0.23335	0.225006	0.21899	0.252403	0.223778	0.24865	0.2495	0.2495
251	0.23354	0.225372	0.21975	0.252586	0.224907	0.24871	0.2505	0.2505
252	0.23463	0.226837	0.22060	0.253685	0.225182	0.24923	0.2515	0.2515
253	0.23543	0.227203	0.22189	0.255486	0.22686	0.250988	0.2525	0.2525
254	0.23598	0.227692	0.22198	0.257561	0.226891	0.25102	0.2535	0.2535
255	0.23647	0.228424	0.22243	0.257622	0.230614	0.25213	0.2545	0.2545
256	0.24013	0.228668	0.22256	0.258354	0.230858	0.25277	0.2555	0.2555
257	0.24202	0.229645	0.22649	0.259117	0.232506	0.25322	0.2565	0.2565
258	0.24281	0.230011	0.22683	0.260674	0.233635	0.25402	0.2575	0.2575
259	0.24361	0.230865	0.22729	0.261589	0.235985	0.25460	0.2585	0.2585
260	0.24556	0.230988	0.22842	0.262474	0.236168	0.25540	0.2595	0.2595
261	0.24574	0.23111	0.22848	0.262657	0.236198	0.25607	0.2605	0.2605
262	0.24696	0.23172	0.22964	0.26281	0.23983	0.25654	0.2615	0.2615
263	0.25099	0.231842	0.22994	0.263634	0.240257	0.25673	0.2625	0.2625
264	0.25117	0.233185	0.23162	0.266289	0.244102	0.25866	0.2635	0.2635
265	0.25191	0.233673	0.23199	0.269127	0.24514	0.25871	0.2645	0.2645
266	0.25313	0.234894	0.23385	0.269798	0.245567	0.26054	0.2655	0.2655
267	0.25349	0.23587	0.23440	0.270653	0.246025	0.26149	0.2665	0.2665
268	0.25441	0.235992	0.23470	0.270683	0.247276	0.26222	0.2675	0.2675
269	0.25606	0.236481	0.23592	0.270927	0.247765	0.26274	0.2685	0.2685
270	0.25636	0.236603	0.23782	0.270988	0.24865	0.26309	0.2695	0.2695
271	0.26039	0.236725	0.23794	0.272484	0.249077	0.26315	0.2705	0.2705
272	0.26167	0.237946	0.24282	0.274803	0.24987	0.26358	0.2715	0.2715
273	0.26198	0.238312	0.24322	0.274956	0.250267	0.26506	0.2725	0.2725
274	0.26234	0.238678	0.24471	0.27636	0.250847	0.26573	0.2735	0.2735
275	0.26338	0.239166	0.24487	0.277061	0.254631	0.26721	0.2745	0.2745
276	0.26387	0.240631	0.24535	0.277489	0.255608	0.26893	0.2755	0.2755

277	0.26491	0.240997	0.24648	0.279076	0.256035	0.26936	0.2765	0.2765
278	0.26546	0.24173	0.24749	0.280357	0.257042	0.27142	0.2775	0.2775
279	0.26595	0.24234	0.24758	0.280479	0.257378	0.27203	0.2785	0.2785
280	0.26607	0.244293	0.24978	0.281181	0.258598	0.27328	0.2795	0.2795
281	0.26741	0.245514	0.25137	0.28286	0.259392	0.27403	0.2805	0.2805
282	0.26784	0.246246	0.25387	0.284294	0.260918	0.27446	0.2815	0.2815
283	0.26790	0.24649	0.25573	0.286217	0.261986	0.27507	0.2825	0.2825
284	0.26900	0.247101	0.25622	0.287437	0.26226	0.27639	0.2835	0.2835
285	0.27052	0.247711	0.25680	0.289024	0.263481	0.28051	0.2845	0.2845
286	0.27083	0.24881	0.25994	0.289635	0.26403	0.28053	0.2855	0.2855
287	0.27138	0.249786	0.26003	0.290276	0.264946	0.28111	0.2865	0.2865
288	0.27150	0.254303	0.26177	0.291008	0.266594	0.28148	0.2875	0.2875
289	0.27168	0.255646	0.26186	0.291679	0.268333	0.28201	0.2885	0.2885
290	0.27242	0.2565	0.26220	0.292717	0.268486	0.28218	0.2895	0.2895
291	0.27467	0.256622	0.26366	0.293083	0.268852	0.28372	0.2905	0.2905
292	0.27809	0.256989	0.26431	0.293999	0.268883	0.28378	0.2915	0.2915
293	0.27821	0.257843	0.26479	0.299004	0.269493	0.28581	0.2925	0.2925
294	0.27858	0.257965	0.26940	0.299065	0.270164	0.28590	0.2935	0.2935
295	0.27913	0.25882	0.26998	0.300468	0.271111	0.28669	0.2945	0.2945
296	0.27943	0.259308	0.27193	0.302605	0.271873	0.28706	0.2955	0.2955
297	0.28090	0.260651	0.27224	0.303001	0.272057	0.28952	0.2965	0.2965
298	0.28127	0.261383	0.27517	0.303795	0.272209	0.29029	0.2975	0.2975
299	0.28139	0.261627	0.27593	0.304314	0.272758	0.29039	0.2985	0.2985
300	0.28194	0.262115	0.27621	0.304405	0.27285	0.29193	0.2995	0.2995
301	0.28487	0.262848	0.27673	0.304527	0.273613	0.29278	0.3005	0.3005
302	0.28889	0.263702	0.27688	0.305107	0.274223	0.29412	0.3015	0.3015
303	0.29005	0.264313	0.27752	0.306419	0.275444	0.29428	0.3025	0.3025
304	0.29085	0.264435	0.27801	0.308128	0.276665	0.29512	0.3035	0.3035
305	0.29109	0.267487	0.27868	0.309288	0.277367	0.29826	0.3045	0.3045
306	0.29152	0.272247	0.27944	0.309471	0.27758	0.29832	0.3055	0.3055
307	0.29256	0.274323	0.28091	0.309654	0.278191	0.29855	0.3065	0.3065
308	0.29311	0.279449	0.28173	0.309837	0.278435	0.29867	0.3075	0.3075
309	0.29573	0.279572	0.28268	0.310753	0.278954	0.29875	0.3085	0.3085
310	0.29591	0.279816	0.28551	0.311913	0.279106	0.29997	0.3095	0.3095
311	0.29738	0.28006	0.28591	0.313377	0.279533	0.30005	0.3105	0.3105
312	0.29836	0.281036	0.28664	0.313438	0.280571	0.30006	0.3115	0.3115
313	0.29958	0.281158	0.28735	0.315697	0.280693	0.30026	0.3125	0.3125
314	0.30067	0.281891	0.28750	0.31588	0.282005	0.30055	0.3135	0.3135
315	0.30153	0.282379	0.28848	0.316002	0.284477	0.30116	0.3145	0.3145
316	0.30190	0.282623	0.28905	0.316277	0.284538	0.30427	0.3155	0.3155
317	0.30238	0.282745	0.28967	0.316399	0.285606	0.30531	0.3165	0.3165
318	0.30257	0.282867	0.29018	0.317039	0.286491	0.30581	0.3175	0.3175
319	0.30403	0.283844	0.291733023	0.317894	0.286705	0.30597	0.3185	0.3185
320	0.30629	0.284088	0.29269	0.319786	0.287102	0.30673	0.3195	0.3195
321	0.30959	0.284454	0.29354	0.32296	0.287315	0.30679	0.3205	0.3205
322	0.31117	0.284821	0.29394	0.325127	0.288383	0.30763	0.3215	0.3215
323	0.31129	0.285431	0.29443	0.325554	0.290367	0.30783	0.3225	0.3225

324	0.31142	0.285675	0.29552	0.325829	0.290764	0.30861	0.3235	0.3235
325	0.31148	0.286041	0.29610	0.327232	0.290886	0.30983	0.3245	0.3245
326	0.31227	0.286896	0.29647	0.327385	0.29229	0.31007	0.3255	0.3255
327	0.31233	0.287262	0.29818	0.327477	0.292625	0.31138	0.3265	0.3265
328	0.31380	0.287628	0.30242	0.327873	0.293327	0.31160	0.3275	0.3275
329	0.31404	0.287872	0.30251	0.328178	0.294121	0.31179	0.3285	0.3285
330	0.31429	0.287994	0.30340	0.329124	0.294395	0.31233	0.3295	0.3295
331	0.31569	0.288483	0.30419	0.331749	0.294487	0.31363	0.3305	0.3305
332	0.31685	0.289337	0.30627	0.332359	0.295189	0.31460	0.3315	0.3315
333	0.32002	0.289581	0.31039	0.33239	0.298302	0.31535	0.3325	0.3325
334	0.32069	0.29422	0.31042	0.333092	0.298973	0.31697	0.3335	0.3335
335	0.32240	0.294586	0.31057	0.334526	0.299919	0.31849	0.3345	0.3345
336	0.32253	0.295074	0.31231	0.336052	0.301781	0.31959	0.3355	0.3355
337	0.32265	0.295929	0.31545	0.33651	0.302025	0.31985	0.3365	0.3365
338	0.32301	0.298126	0.31548	0.338524	0.304558	0.31999	0.3375	0.3375
339	0.32338	0.299103	0.31799	0.3395	0.305534	0.32055	0.3385	0.3385
340	0.32539	0.299957	0.31915	0.343773	0.305717	0.32092	0.3395	0.3395
341	0.32600	0.302277	0.32003	0.344933	0.308708	0.32139	0.3405	0.3405
342	0.32668	0.302765	0.32006	0.345848	0.30999	0.32373	0.3415	0.3415
343	0.32771	0.303741	0.32388	0.347191	0.311516	0.32406	0.3425	0.3425
344	0.32985	0.303986	0.32409	0.347862	0.313194	0.32450	0.3435	0.3435
345	0.33003	0.306549	0.32491	0.348259	0.315269	0.32505	0.3445	0.3445
346	0.33192	0.307159	0.32531	0.348381	0.318687	0.32531	0.3455	0.3455
347	0.33205	0.308258	0.32534	0.348961	0.319939	0.32614	0.3465	0.3465
348	0.33260	0.311432	0.32623	0.350426	0.321495	0.32658	0.3475	0.3475
349	0.33308	0.312775	0.32638	0.35067	0.321922	0.32936	0.3485	0.3485
350	0.33357	0.314972	0.32650	0.354271	0.322441	0.33014	0.3495	0.3495
351	0.33369	0.315826	0.32793	0.354698	0.323997	0.33032	0.3505	0.3505
352	0.33406	0.315948	0.32876	0.355919	0.324272	0.33096	0.3515	0.3515
353	0.33498	0.316437	0.33004	0.356834	0.324425	0.33158	0.3525	0.3525
354	0.33516	0.317413	0.33123	0.356956	0.324944	0.33172	0.3535	0.3535
355	0.33540	0.317535	0.33285	0.357292	0.32592	0.33178	0.3545	0.3545
356	0.33632	0.31778	0.33340	0.357872	0.326866	0.33236	0.3555	0.3555
357	0.33675	0.320953	0.33477	0.35894	0.328636	0.33303	0.3565	0.3565
358	0.33772	0.324005	0.33532	0.359764	0.331261	0.33358	0.3575	0.3575
359	0.33827	0.32486	0.33538	0.360771	0.332878	0.33509	0.3585	0.3585
360	0.33980	0.325714	0.33633	0.361137	0.335594	0.33583	0.3595	0.3595
361	0.34102	0.327667	0.33648	0.363029	0.337395	0.33625	0.3605	0.3605
362	0.34261	0.32901	0.33782	0.363701	0.338432	0.33633	0.3615	0.3615
363	0.34267	0.329132	0.33858	0.364067	0.340019	0.33665	0.3625	0.3625
364	0.34438	0.329742	0.33886	0.36422	0.340508	0.33737	0.3635	0.3635
365	0.34944	0.331085	0.34042	0.364708	0.340904	0.33857	0.3645	0.3645
366	0.35005	0.331696	0.34261	0.364952	0.341057	0.33873	0.3655	0.3655
367	0.35054	0.333282	0.34335	0.365196	0.342522	0.33912	0.3665	0.3665
368	0.35072	0.335968	0.34393	0.36541	0.342674	0.34004	0.3675	0.3675
369	0.35109	0.337067	0.34466	0.365959	0.343132	0.34008	0.3685	0.3685
370	0.35194	0.337677	0.34499	0.366264	0.345573	0.34095	0.3695	0.3695

371	0.35390	0.338898	0.34679	0.367943	0.345665	0.34623	0.3705	0.3705
372	0.35457	0.33902	0.35024	0.368614	0.346581	0.34700	0.3715	0.3715
373	0.35500	0.339752	0.35278	0.368797	0.34716	0.34820	0.3725	0.3725
374	0.35518	0.340363	0.35308	0.369255	0.347252	0.34889	0.3735	0.3735
375	0.35847	0.340729	0.35320	0.370293	0.348167	0.34910	0.3745	0.3745
376	0.35970	0.341461	0.35351	0.370964	0.349449	0.34950	0.3755	0.3755
377	0.36049	0.342072	0.35509	0.37133	0.350487	0.35389	0.3765	0.3765
378	0.36116	0.343903	0.35522	0.376244	0.351341	0.35502	0.3775	0.3775
379	0.36134	0.344269	0.35543	0.376274	0.351677	0.35530	0.3785	0.3785
380	0.36183	0.345612	0.35961	0.376762	0.351799	0.35688	0.3795	0.3795
381	0.36195	0.347809	0.36141	0.379021	0.354881	0.35818	0.3805	0.3805
382	0.36238	0.347931	0.36156	0.379692	0.355492	0.35894	0.3815	0.3815
383	0.36519	0.349152	0.36349	0.38018	0.358482	0.36055	0.3825	0.3825
384	0.36678	0.35025	0.36443	0.380852	0.358727	0.36145	0.3835	0.3835
385	0.36732	0.35379	0.36468	0.382103	0.359245	0.36273	0.3845	0.3845
386	0.36757	0.354767	0.36510	0.382195	0.360222	0.36453	0.3855	0.3855
387	0.36769	0.355133	0.36611	0.382469	0.361076	0.36602	0.3865	0.3865
388	0.36787	0.355255	0.36681	0.382988	0.363609	0.36642	0.3875	0.3875
389	0.36952	0.358795	0.36764	0.384087	0.363884	0.36833	0.3885	0.3885
390	0.37154	0.359283	0.36947	0.386253	0.364342	0.36930	0.3895	0.3895
391	0.37257	0.359406	0.36950	0.387993	0.364922	0.36959	0.3905	0.3905
392	0.37270	0.359528	0.36959	0.390226	0.365135	0.37007	0.3915	0.3915
393	0.37282	0.362823	0.37002	0.390587	0.365898	0.37144	0.3925	0.3925
394	0.37288	0.363922	0.37032	0.391899	0.367088	0.37199	0.3935	0.3935
395	0.37428	0.366364	0.37136	0.392082	0.367699	0.37303	0.3945	0.3945
396	0.37575	0.366486	0.37142	0.392296	0.36776	0.37313	0.3955	0.3955
397	0.37642	0.368561	0.37212	0.392509	0.368431	0.37338	0.3965	0.3965
398	0.37721	0.368927	0.37313	0.392632	0.370262	0.37634	0.3975	0.3975
399	0.37740	0.369781	0.37392	0.395073	0.37191	0.37640	0.3985	0.3985
400	0.37856	0.371368	0.37493	0.395805	0.372948	0.37761	0.3995	0.3995
401	0.37868	0.372223	0.37734	0.396019	0.373802	0.37828	0.4005	0.4005
402	0.37910	0.373444	0.37771	0.398186	0.37429	0.38430	0.4015	0.4015
403	0.38118	0.375275	0.37890	0.399345	0.374809	0.38607	0.4025	0.4025
404	0.38283	0.376617	0.38058	0.399712	0.376732	0.39007	0.4035	0.4035
405	0.38301	0.376984	0.38140	0.399986	0.376945	0.39076	0.4045	0.4045
406	0.38362	0.377594	0.38296	0.40078	0.377312	0.39111	0.4055	0.4055
407	0.38368	0.378082	0.38485	0.401848	0.377983	0.39318	0.4065	0.4065
408	0.38405	0.383698	0.38598	0.402611	0.378166	0.39444	0.4075	0.4075
409	0.38448	0.384674	0.38802	0.403496	0.378471	0.39480	0.4085	0.4085
410	0.38460	0.385162	0.38805	0.406242	0.378563	0.39785	0.4095	0.4095
411	0.38466	0.386139	0.38857	0.407066	0.379906	0.39979	0.4105	0.4105
412	0.38692	0.386505	0.38869	0.407249	0.381645	0.39988	0.4115	0.4115
413	0.38728	0.387726	0.39037	0.408623	0.381676	0.40207	0.4125	0.4125
414	0.38795	0.388336	0.39046	0.408775	0.38192	0.40271	0.4135	0.4135
415	0.38814	0.389069	0.39053	0.411125	0.383263	0.40312	0.4145	0.4145
416	0.38948	0.389191	0.39138	0.412224	0.38488	0.40329	0.4155	0.4155
417	0.38960	0.391754	0.39318	0.41433	0.385216	0.40374	0.4165	0.4165

418	0.39082	0.393463	0.39358	0.415001	0.385246	0.40431	0.4175	0.4175
419	0.39265	0.395416	0.39422	0.415154	0.38723	0.40440	0.4185	0.4185
420	0.39388	0.395782	0.39489	0.415916	0.387474	0.40663	0.4195	0.4195
421	0.39473	0.396759	0.39657	0.416374	0.387566	0.40666	0.4205	0.4205
422	0.39632	0.397003	0.39855	0.417137	0.387779	0.40751	0.4215	0.4215
423	0.39699	0.398956	0.40054	0.41732	0.388725	0.40979	0.4225	0.4225
424	0.39778	0.399445	0.40398	0.417809	0.388847	0.41098	0.4235	0.4235
425	0.39919	0.399689	0.40456	0.41787	0.390434	0.41111	0.4245	0.4245
426	0.40181	0.400177	0.40630	0.418694	0.39373	0.41185	0.4255	0.4255
427	0.40193	0.400787	0.40792	0.419151	0.394127	0.41203	0.4265	0.4265
428	0.40474	0.401886	0.40829	0.41964	0.394646	0.41262	0.4275	0.4275
429	0.40755	0.403351	0.41033	0.41967	0.394798	0.41380	0.4285	0.4285
430	0.40804	0.403717	0.41125	0.419945	0.39492	0.41406	0.4295	0.4295
431	0.40816	0.404694	0.41140	0.42083	0.395714	0.41417	0.4305	0.4305
432	0.4123211	0.405426	0.41268	0.421898	0.395866	0.41650	0.4315	0.4315
433	0.41371	0.413605	0.41314	0.422295	0.396233	0.41652	0.4325	0.4325
434	0.41402	0.414703	0.41470	0.422905	0.39727	0.41659	0.4335	0.4335
435	0.41493	0.416046	0.41543	0.424156	0.397484	0.41664	0.4345	0.4345
436	0.41524	0.41629	0.41726	0.424828	0.397881	0.41671	0.4355	0.4355
437	0.41579	0.416534	0.41790	0.425316	0.398979	0.41742	0.4365	0.4365
438	0.41591	0.416901	0.41888	0.425438	0.400322	0.41815	0.4375	0.4375
439	0.41658	0.417267	0.42001	0.427299	0.402489	0.42018	0.4385	0.4385
440	0.41719	0.417389	0.42367	0.428917	0.402702	0.42048	0.4395	0.4395
441	0.41908	0.417755	0.42553	0.429619	0.404076	0.42060	0.4405	0.4405
442	0.41975	0.417877	0.42580	0.430199	0.404778	0.42184	0.4415	0.4415
443	0.42232	0.417999	0.42733	0.431145	0.405357	0.42219	0.4425	0.4425
444	0.42403	0.41861	0.43145	0.431816	0.405479	0.42477	0.4435	0.4435
445	0.42610	0.423737	0.43160	0.434807	0.406425	0.42530	0.4445	0.4445
446	0.42641	0.423981	0.43172	0.435081	0.406761	0.42863	0.4455	0.4455
447	0.42787	0.424347	0.43307	0.435478	0.407158	0.42971	0.4465	0.4465
448	0.42867	0.429108	0.43337	0.436272	0.411217	0.43109	0.4475	0.4475
449	0.42958	0.429596	0.43383	0.436638	0.414909	0.43139	0.4485	0.4485
450	0.43050	0.431183	0.43438	0.437279	0.415703	0.43187	0.4495	0.4495
451	0.43074	0.431427	0.43618	0.438805	0.416222	0.43284	0.4505	0.4505
452	0.43147	0.431793	0.43667	0.438866	0.420067	0.43293	0.4515	0.4515
453	0.43184	0.433868	0.43707	0.439995	0.420158	0.43626	0.4525	0.4525
454	0.43190	0.434845	0.44036	0.44146	0.421532	0.43669	0.4535	0.4535
455	0.43251	0.435333	0.44152	0.442528	0.424309	0.43896	0.4545	0.4545
456	0.43367	0.436554	0.44195	0.445915	0.426292	0.43954	0.4555	0.4555
457	0.43526	0.436798	0.44335	0.446861	0.426659	0.43971	0.4565	0.4565
458	0.43562	0.437408	0.44344	0.447533	0.426933	0.44207	0.4575	0.4575
459	0.43636	0.437531	0.44454	0.448509	0.427177	0.44239	0.4585	0.4585
460	0.43800	0.439606	0.44469	0.448662	0.427849	0.44322	0.4595	0.4595
461	0.43855	0.444	0.44500	0.449364	0.428001	0.44381	0.4605	0.4605
462	0.43898	0.444244	0.44707	0.449394	0.429527	0.44476	0.4615	0.4615
463	0.43910	0.444366	0.45000	0.449883	0.430565	0.44493	0.4625	0.4625
464	0.44057	0.445099	0.45010	0.450798	0.430779	0.44665	0.4635	0.4635

465	0.44154	0.445465	0.45022	0.453575	0.430809	0.44876	0.4645	0.4645
466	0.44331	0.446442	0.45257	0.454826	0.431389	0.45015	0.4655	0.4655
467	0.44392	0.447418	0.45400	0.455193	0.431664	0.45044	0.4665	0.4665
468	0.45052	0.448395	0.45458	0.455528	0.434471	0.45401	0.4675	0.4675
469	0.45119	0.448761	0.45638	0.45565	0.434624	0.45536	0.4685	0.4685
470	0.45381	0.449371	0.45699	0.456047	0.435936	0.45808	0.4695	0.4695
471	0.45607	0.450104	0.45791	0.45919	0.436913	0.45924	0.4705	0.4705
472	0.45674	0.453644	0.45956	0.459465	0.437431	0.45936	0.4715	0.4715
473	0.45876	0.453766	0.46069	0.45974	0.43972	0.46099	0.4725	0.4725
474	0.46083	0.454498	0.46160	0.462517	0.440697	0.46302	0.4735	0.4735
475	0.46095	0.45462	0.46404	0.463921	0.442253	0.46316	0.4745	0.4745
476	0.46248	0.455109	0.46435	0.465782	0.444786	0.46617	0.4755	0.4755
477	0.46291	0.457672	0.46725	0.466759	0.445824	0.46640	0.4765	0.4765
478	0.46376	0.459259	0.46874	0.466942	0.446281	0.46766	0.4775	0.4775
479	0.46461	0.460358	0.47076	0.467125	0.446831	0.46887	0.4785	0.4785
480	0.46773	0.46048	0.47182	0.467216	0.447929	0.47039	0.4795	0.4795
481	0.46791	0.461212	0.47363	0.46801	0.44857	0.47302	0.4805	0.4805
482	0.46822	0.462189	0.47417	0.468407	0.448692	0.47357	0.4815	0.4815
483	0.47084	0.462799	0.47421	0.469078	0.452263	0.47459	0.4825	0.4825
484	0.47127	0.463531	0.47472	0.470695	0.452507	0.47479	0.4835	0.4835
485	0.47340	0.466583	0.47482	0.472588	0.453331	0.47787	0.4845	0.4845
486	0.47493	0.466827	0.47674	0.473412	0.455254	0.47808	0.4855	0.4855
487	0.47523	0.467682	0.47765	0.473564	0.455406	0.47927	0.4865	0.4865
488	0.47615	0.469757	0.47787	0.474297	0.456718	0.47963	0.4875	0.4875
489	0.47701	0.470978	0.47887	0.475273	0.456749	0.48027	0.4885	0.4885
490	0.47768	0.47171	0.47936	0.477684	0.46154	0.48040	0.4895	0.4895
491	0.48116	0.473663	0.48186	0.477959	0.46273	0.48089	0.4905	0.4905
492	0.48201	0.474762	0.48190	0.478996	0.4645	0.48167	0.4915	0.4915
493	0.48366	0.476349	0.48318	0.480034	0.465324	0.48204	0.4925	0.4925
494	0.48445	0.476959	0.48367	0.480888	0.465355	0.48304	0.4935	0.4935
495	0.48659	0.478058	0.48611	0.485069	0.466423	0.48527	0.4945	0.4945
496	0.48763	0.479523	0.48699	0.487114	0.466484	0.48597	0.4955	0.4955
497	0.48915	0.482574	0.49084	0.487267	0.466789	0.48750	0.4965	0.4965
498	0.49171	0.484772	0.49340	0.488091	0.468803	0.48809	0.4975	0.4975
499	0.49190	0.485138	0.49578	0.489006	0.469383	0.49162	0.4985	0.4985
500	0.49214	0.48526	0.49584	0.489983	0.469933	0.49269	0.4995	0.4995
501	0.49251	0.487457	0.49722	0.490013	0.470818	0.49372	0.5005	0.5005
502	0.49422	0.487579	0.49725	0.49157	0.472832	0.49908	0.5015	0.5015
503	0.49446	0.487701	0.49746	0.492149	0.475151	0.50001	0.5025	0.5025
504	0.49489	0.48819	0.49877	0.49337	0.475609	0.50172	0.5035	0.5035
505	0.49513	0.489044	0.49914	0.493523	0.478111	0.50183	0.5045	0.5045
506	0.49562	0.489655	0.49920	0.495049	0.479271	0.50305	0.5055	0.5055
507	0.49684	0.490387	0.50039	0.496086	0.480919	0.50390	0.5065	0.5065
508	0.49733	0.492584	0.50063	0.4963	0.481377	0.50396	0.5075	0.5075
509	0.49794	0.494171	0.50069	0.49807	0.481834	0.50410	0.5085	0.5085
510	0.49861	0.496002	0.50103	0.498222	0.482872	0.50505	0.5095	0.5095
511	0.49922	0.496124	0.50158	0.498528	0.484093	0.50526	0.5105	0.5105

512	0.50124	0.496979	0.50219	0.498741	0.484856	0.50660	0.5115	0.5115
513	0.50172	0.497345	0.50243	0.498894	0.485588	0.50824	0.5125	0.5125
514	0.50508	0.497589	0.50277	0.499626	0.486687	0.50984	0.5135	0.5135
515	0.50551	0.497833	0.50375	0.500542	0.4869	0.51129	0.5145	0.5145
516	0.50557	0.499298	0.50393	0.502739	0.488976	0.51210	0.5155	0.5155
517	0.50661	0.499542	0.50405	0.502953	0.490196	0.51268	0.5165	0.5165
518	0.50832	0.500397	0.50619	0.503105	0.490868	0.51321	0.5175	0.5175
519	0.50838	0.500763	0.50671	0.503136	0.491203	0.51493	0.5185	0.5185
520	0.51137	0.501251	0.50814	0.503716	0.49218	0.51699	0.5195	0.5195
521	0.51173	0.501495	0.50817	0.504478	0.492424	0.51915	0.5205	0.5205
522	0.51320	0.504669	0.50900	0.505913	0.492943	0.51918	0.5215	0.5215
523	0.51381	0.505035	0.51192	0.506584	0.493614	0.51925	0.5225	0.5225
524	0.51576	0.50589	0.51330	0.507164	0.494377	0.51941	0.5235	0.5235
525	0.51833	0.506378	0.51437	0.507408	0.497063	0.52057	0.5245	0.5245
526	0.51985	0.507599	0.51458	0.510582	0.49752	0.52290	0.5255	0.5255
527	0.52040	0.507721	0.51589	0.511345	0.497551	0.52400	0.5265	0.5265
528	0.52095	0.508209	0.51769	0.511375	0.499565	0.52461	0.5275	0.5275
529	0.52144	0.508331	0.51812	0.511955	0.500328	0.52530	0.5285	0.5285
530	0.52596	0.508453	0.51855	0.513908	0.502647	0.52531	0.5295	0.5295
531	0.52602	0.514801	0.51876	0.515099	0.502861	0.52606	0.5305	0.5305
532	0.52705	0.515533	0.51958	0.5158	0.504387	0.52751	0.5315	0.5315
533	0.52779	0.515656	0.52197	0.516258	0.506889	0.52826	0.5325	0.5325
534	0.52797	0.516388	0.52212	0.516563	0.507317	0.52900	0.5335	0.5335
535	0.52840	0.519562	0.52441	0.519005	0.507469	0.53050	0.5345	0.5345
536	0.52919	0.519806	0.52834	0.520897	0.5075	0.5315208	0.5355	0.5355
537	0.53102	0.520294	0.52923	0.523827	0.509575	0.53309	0.5365	0.5365
538	0.53267	0.521027	0.53051	0.525078	0.509789	0.53390	0.5375	0.5375
539	0.53365	0.523712	0.53100	0.525139	0.511253	0.53428	0.5385	0.5385
540	0.53462	0.52652	0.53240	0.525749	0.512505	0.53509	0.5395	0.5395
541	0.53523	0.529083	0.53405	0.52581	0.515068	0.53529	0.5405	0.5405
542	0.53621	0.529938	0.53475	0.526237	0.515251	0.53558	0.5415	0.5415
543	0.53627	0.53067	0.53695	0.53109	0.515587	0.53698	0.5425	0.5425
544	0.53719	0.532013	0.54140	0.535179	0.515984	0.54016	0.5435	0.5435
545	0.53975	0.533234	0.54150	0.536308	0.517296	0.54078	0.5445	0.5445
546	0.54103	0.533478	0.54205	0.537743	0.518791	0.54153	0.5455	0.5455
547	0.54128	0.533722	0.54314	0.538048	0.518944	0.54205	0.5465	0.5465
548	0.54170	0.534698	0.54592	0.539482	0.519951	0.54567	0.5475	0.5475
549	0.54225	0.535919	0.54598	0.539543	0.521019	0.54570	0.5485	0.5485
550	0.54427	0.537506	0.54623	0.543571	0.523582	0.54676	0.5495	0.5495
551	0.54433	0.53775	0.54910	0.544762	0.524101	0.54722	0.5505	0.5505
552	0.54652	0.538849	0.55007	0.547142	0.524986	0.54902	0.5515	0.5515
553	0.55037	0.539093	0.55151	0.548393	0.5252	0.55038	0.5525	0.5525
554	0.55055	0.539948	0.55184	0.549431	0.526543	0.55093	0.5535	0.5535
555	0.55159	0.54007	0.55526	0.551353	0.52697	0.55236	0.5545	0.5545
556	0.55177	0.540436	0.55602	0.551811	0.52813	0.55284	0.5555	0.5555
557	0.55214	0.543976	0.55654	0.553185	0.532066	0.55386	0.5565	0.5565
558	0.55275	0.544464	0.55743	0.553581	0.532249	0.55398	0.5575	0.5575

559	0.55330	0.544952	0.55816	0.554283	0.533104	0.55406	0.5585	0.5585
560	0.55360	0.546417	0.55840	0.554344	0.533257	0.55432	0.5595	0.5595
561	0.55379	0.547028	0.55849	0.555046	0.533775	0.55456	0.5605	0.5605
562	0.55635	0.547516	0.55859	0.557304	0.534935	0.55626	0.5615	0.5615
563	0.55769	0.547638	0.55941	0.557518	0.535057	0.55697	0.5625	0.5625
564	0.55775	0.549225	0.56066	0.559074	0.535698	0.55874	0.5635	0.5635
565	0.55849	0.549713	0.56139	0.559319	0.539238	0.55925	0.5645	0.5645
566	0.55995	0.550079	0.56213	0.559593	0.53933	0.55946	0.5655	0.5655
567	0.56099	0.550934	0.56359	0.560295	0.540001	0.56134	0.5665	0.5665
568	0.56160	0.551422	0.56615	0.560539	0.541832	0.56167	0.5675	0.5675
569	0.56252	0.551544	0.56634	0.560844	0.541985	0.56182	0.5685	0.5685
570	0.56306	0.551666	0.56908	0.561424	0.542809	0.56292	0.5695	0.5695
571	0.56709	0.553131	0.56933	0.562004	0.544151	0.56477	0.5705	0.5705
572	0.56776	0.553864	0.56942	0.562798	0.544365	0.56483	0.5715	0.5715
573	0.57027	0.557281	0.56976	0.562994	0.54464	0.56489	0.5725	0.5725
574	0.57106	0.558014	0.57076	0.564629	0.546898	0.56684	0.5735	0.5735
575	0.57130	0.55899	0.57220	0.564842	0.549492	0.56698	0.5745	0.5745
576	0.57191	0.559723	0.57241	0.565208	0.550316	0.56720	0.5755	0.5755
577	0.57460	0.563019	0.57272	0.565331	0.550438	0.56918	0.5765	0.5765
578	0.57558	0.563263	0.57305	0.565849	0.555321	0.56967	0.5775	0.5775
579	0.57680	0.563751	0.57403	0.566093	0.555595	0.57002	0.5785	0.5785
580	0.57747	0.56485	0.57446	0.567223	0.556633	0.57038	0.5795	0.5795
581	0.57863	0.566315	0.57464	0.567345	0.558983	0.57214	0.5805	0.5805
582	0.57930	0.566803	0.57528	0.567497	0.559196	0.57341	0.5815	0.5815
583	0.57961	0.567169	0.57641	0.567589	0.559746	0.57461	0.5825	0.5825
584	0.58089	0.568756	0.57867	0.567833	0.560081	0.57573	0.5835	0.5835
585	0.58125	0.569611	0.57949	0.568657	0.56353	0.57629	0.5845	0.5845
586	0.58247	0.570249	0.58010	0.569267	0.563805	0.57705	0.5855	0.5855
587	0.58339	0.57193	0.58163	0.570457	0.563835	0.57716	0.5865	0.5865
588	0.58437	0.573151	0.58251	0.57061	0.563866	0.57766	0.5875	0.5875
589	0.58467	0.574615	0.58321	0.575432	0.564659	0.57866	0.5885	0.5885
590	0.58485	0.574738	0.58404	0.575859	0.565056	0.58169	0.5895	0.5895
591	0.58601	0.575592	0.58764	0.576469	0.566643	0.58226	0.5905	0.5905
592	0.58626	0.576447	0.58849	0.576714	0.567924	0.58560	0.5915	0.5915
593	0.58723	0.577057	0.58865	0.576897	0.571983	0.58622	0.5925	0.5925
594	0.58742	0.577179	0.58874	0.576988	0.572533	0.58848	0.5935	0.5935
595	0.58821	0.578888	0.59216	0.577354	0.576012	0.58950	0.5945	0.5945
596	0.58833	0.579254	0.59286	0.578026	0.576805	0.58972	0.5955	0.5955
597	0.58974	0.579865	0.59298	0.578423	0.57708	0.59085	0.5965	0.5965
598	0.58998	0.581818	0.59869	0.578606	0.577293	0.59155	0.5975	0.5975
599	0.59023	0.582306	0.59872	0.57888	0.578545	0.59161	0.5985	0.5985
600	0.59084	0.582428	0.59905	0.580925	0.58062	0.59336	0.5995	0.5995
601	0.59120	0.582794	0.60152	0.582207	0.582024	0.59341	0.6005	0.6005
602	0.59200	0.583649	0.60204	0.583885	0.582085	0.59343	0.6015	0.6015
603	0.59303	0.584015	0.60213	0.583916	0.582603	0.59375	0.6025	0.6025
604	0.59450	0.584991	0.60607	0.584282	0.583122	0.59437	0.6035	0.6035
605	0.59486	0.585846	0.60931	0.584404	0.58474	0.59469	0.6045	0.6045

606	0.59492	0.588165	0.61266	0.585838	0.585533	0.59619	0.6055	0.6055
607	0.59596	0.589264	0.61474	0.58593	0.586388	0.59811	0.6065	0.6065
608	0.59846	0.59024	0.61608	0.585991	0.587669	0.59916	0.6075	0.6075
609	0.59901	0.590485	0.61629	0.586174	0.589378	0.59941	0.6085	0.6085
610	0.59956	0.594513	0.61691	0.586235	0.590782	0.60037	0.6095	0.6095
611	0.59981	0.594635	0.61697	0.588097	0.591087	0.60209	0.6105	0.6105
612	0.59999	0.595123	0.61703	0.588829	0.591728	0.60456	0.6115	0.6115
613	0.60585	0.596832	0.61755	0.588982	0.591759	0.60533	0.6125	0.6125
614	0.60670	0.597687	0.62157	0.590813	0.591942	0.60608	0.6135	0.6135
615	0.60774	0.598419	0.62182	0.591301	0.592125	0.60730	0.6145	0.6145
616	0.61000	0.598907	0.62215	0.592064	0.593407	0.60756	0.6155	0.6155
617	0.61037	0.600494	0.62280	0.592827	0.598473	0.60777	0.6165	0.6165
618	0.61061	0.600983	0.62325	0.595146	0.599144	0.60885	0.6175	0.6175
619	0.61092	0.606354	0.62405	0.595451	0.599968	0.60907	0.6185	0.6185
620	0.61122	0.60965	0.62450	0.597313	0.599998	0.60984	0.6195	0.6195
621	0.61562	0.610382	0.62652	0.598076	0.600975	0.61004	0.6205	0.6205
622	0.61568	0.611115	0.63201	0.5989	0.601768	0.61073	0.6215	0.6215
623	0.61623	0.612335	0.63229	0.601067	0.602684	0.61103	0.6225	0.6225
624	0.61696	0.613068	0.63287	0.601128	0.604546	0.61302	0.6235	0.6235
625	0.61928	0.614288	0.63323	0.602196	0.604607	0.61508	0.6245	0.6245
626	0.62148	0.61441	0.63406	0.602898	0.605644	0.61526	0.6255	0.6255
627	0.62447	0.615753	0.63506	0.603844	0.606133	0.61618	0.6265	0.6265
628	0.62459	0.617218	0.63546	0.605797	0.610374	0.61757	0.6275	0.6275
629	0.62587	0.617706	0.63702	0.607231	0.617149	0.61811	0.6285	0.6285
630	0.6261566	0.618805	0.63793	0.608269	0.61837	0.61848	0.6295	0.6295
631	0.62666	0.620148	0.63940	0.612541	0.620476	0.61865	0.6305	0.6305
632	0.62758	0.620392	0.64288	0.613304	0.620659	0.61866	0.6315	0.6315
633	0.62764	0.620636	0.64291	0.616875	0.62307	0.61996	0.6325	0.6325
634	0.62776	0.623077	0.64342	0.617973	0.623741	0.62036	0.6335	0.6335
635	0.62947	0.623566	0.64370	0.619194	0.625023	0.62277	0.6345	0.6345
636	0.62990	0.623688	0.64425	0.620872	0.625359	0.62416	0.6355	0.6355
637	0.63045	0.624176	0.64431	0.622398	0.626213	0.62487	0.6365	0.6365
638	0.63087	0.626373	0.64483	0.622856	0.627953	0.62616	0.6375	0.6375
639	0.63326	0.627106	0.64486	0.623619	0.628441	0.62751	0.6385	0.6385
640	0.63387	0.629425	0.64520	0.62368	0.628838	0.63043	0.6395	0.6395
641	0.63454	0.630524	0.64843	0.624168	0.629478	0.63047	0.6405	0.6405
642	0.63472	0.632111	0.64870	0.624321	0.631523	0.63192	0.6415	0.6415
643	0.63625	0.632233	0.65023	0.625206	0.632164	0.63322	0.6425	0.6425
644	0.63655	0.632355	0.65069	0.626884	0.632256	0.63350	0.6435	0.6435
645	0.63680	0.633942	0.65148	0.628227	0.632408	0.63482	0.6445	0.6445
646	0.63832	0.634918	0.65264	0.628624	0.635002	0.63513	0.6455	0.6455
647	0.63875	0.635895	0.65310	0.630608	0.635551	0.63523	0.6465	0.6465
648	0.64015	0.636871	0.65325	0.632133	0.636528	0.63562	0.6475	0.6475
649	0.64064	0.641266	0.65331	0.633476	0.637047	0.63572	0.6485	0.6485
650	0.64247	0.64151	0.65484	0.633598	0.637138	0.63614	0.6495	0.6495
651	0.64259	0.642365	0.65743	0.633629	0.63784	0.63835	0.6505	0.6505
652	0.64418	0.642731	0.65795	0.635612	0.638206	0.64047	0.6515	0.6515

653	0.64449	0.643097	0.65823	0.635735	0.641167	0.64053	0.6525	0.6525
654	0.64534	0.643219	0.65850	0.635918	0.641258	0.64080	0.6535	0.6535
655	0.64760	0.644318	0.66036	0.63604	0.641563	0.64140	0.6545	0.6545
656	0.64839	0.64444	0.66042	0.636681	0.644005	0.64177	0.6555	0.6555
657	0.64894	0.645172	0.66045	0.63726	0.645897	0.64195	0.6565	0.6565
658	0.64943	0.646393	0.66146	0.637718	0.646477	0.64392	0.6575	0.6575
659	0.65163	0.64859	0.66293	0.638268	0.646538	0.64596	0.6585	0.6585
660	0.65266	0.649933	0.66445	0.638817	0.647911	0.64698	0.6595	0.6595
661	0.65303	0.650665	0.66521	0.63903	0.648827	0.64749	0.6605	0.6605
662	0.65346	0.650909	0.66561	0.63961	0.649162	0.64842	0.6615	0.6615
663	0.65382	0.651031	0.66720	0.639946	0.651176	0.64927	0.6625	0.6625
664	0.65529	0.652496	0.66842	0.640282	0.651299	0.65071	0.6635	0.6635
665	0.65712	0.659576	0.66961	0.640739	0.652153	0.65156	0.6645	0.6645
666	0.65999	0.661407	0.66970	0.641228	0.653648	0.65205	0.6655	0.6655
667	0.66225	0.66153	0.67037	0.641502	0.65609	0.65948	0.6665	0.6665
668	0.66328	0.663239	0.67059	0.641808	0.656364	0.66040	0.6675	0.6675
669	0.66377	0.663971	0.67077	0.642998	0.656853	0.66063	0.6685	0.6685
670	0.66548	0.665314	0.67095	0.643852	0.657494	0.66078	0.6695	0.6695
671	0.66731	0.66568	0.67113	0.645409	0.657707	0.66134	0.6705	0.6705
672	0.66872	0.668243	0.67159	0.646111	0.659355	0.66146	0.6715	0.6715
673	0.66914	0.669098	0.67370	0.647087	0.661736	0.66270	0.6725	0.6725
674	0.67061	0.67337	0.67440	0.647758	0.662712	0.66294	0.6735	0.6735
675	0.67464	0.673615	0.67504	0.648216	0.662743	0.66423	0.6745	0.6745
676	0.67470	0.675568	0.67593	0.648613	0.663322	0.66513	0.6755	0.6755
677	0.67494	0.675812	0.67648	0.649315	0.663353	0.66758	0.6765	0.6765
678	0.67592	0.677399	0.67672	0.649559	0.664757	0.66923	0.6775	0.6775
679	0.67720	0.677887	0.67770	0.650383	0.66674	0.67016	0.6785	0.6785
680	0.67744	0.680695	0.67922	0.651573	0.667473	0.67044	0.6795	0.6795
681	0.67751	0.681061	0.67925	0.651665	0.66906	0.67077	0.6805	0.6805
682	0.67836	0.682526	0.68069	0.654686	0.671806	0.67384	0.6815	0.6815
683	0.67934	0.682892	0.68111	0.655296	0.671867	0.67779	0.6825	0.6825
684	0.68098	0.684113	0.68502	0.655968	0.67205	0.67834	0.6835	0.6835
685	0.68336	0.684235	0.68694	0.6567	0.67321	0.67982	0.6845	0.6845
686	0.68343	0.684601	0.68737	0.657829	0.673454	0.68318	0.6855	0.6855
687	0.68416	0.685455	0.68783	0.658043	0.67675	0.68319	0.6865	0.6865
688	0.68739	0.685699	0.68829	0.658867	0.678429	0.68359	0.6875	0.6875
689	0.68758	0.688629	0.68899	0.659538	0.678612	0.68371	0.6885	0.6885
690	0.68794	0.692902	0.69015	0.660851	0.681328	0.68498	0.6895	0.6895
691	0.69087	0.693512	0.69183	0.662956	0.682518	0.68602	0.6905	0.6905
692	0.69142	0.693634	0.69213	0.663994	0.683006	0.68628	0.6915	0.6915
693	0.69203	0.695343	0.69311	0.664421	0.683861	0.68753	0.6925	0.6925
694	0.69215	0.695587	0.69317	0.665306	0.684044	0.68892	0.6935	0.6935
695	0.69221	0.696198	0.69350	0.665764	0.685997	0.69151	0.6945	0.6945
696	0.69881	0.696808	0.69363	0.665886	0.689018	0.69282	0.6955	0.6955
697	0.69893	0.697296	0.69534	0.669121	0.689293	0.69307	0.6965	0.6965
698	0.70149	0.699249	0.69704	0.669487	0.689842	0.69601	0.6975	0.6975
699	0.70192	0.70047	0.69732	0.670494	0.690208	0.69690	0.6985	0.6985

700	0.70290	0.702301	0.70046	0.670677	0.692345	0.69833	0.6995	0.6995
701	0.70473	0.702423	0.70153	0.671165	0.692436	0.69917	0.7005	0.7005
702	0.70522	0.702545	0.70205	0.673607	0.692589	0.69979	0.7015	0.7015
703	0.70595	0.702911	0.70309	0.674522	0.693321	0.70010	0.7025	0.7025
704	0.70686	0.705353	0.70324	0.675774	0.694511	0.70076	0.7035	0.7035
705	0.71114	0.705963	0.70373	0.679558	0.695457	0.70156	0.7045	0.7045
706	0.71156	0.706573	0.70391	0.682182	0.695732	0.70291	0.7055	0.7055
707	0.71205	0.707916	0.70409	0.683037	0.696739	0.70413	0.7065	0.7065
708	0.71284	0.708771	0.70425	0.683708	0.69677	0.70442	0.7075	0.7075
709	0.71358	0.709625	0.70480	0.684349	0.699333	0.70469	0.7085	0.7085
710	0.71364	0.709869	0.70547	0.684715	0.701073	0.70491	0.7095	0.7095
711	0.71382	0.712311	0.70596	0.685143	0.701195	0.70535	0.7105	0.7105
712	0.71449	0.712555	0.70861	0.686516	0.701744	0.70544	0.7115	0.7115
713	0.71504	0.713287	0.70879	0.687889	0.701988	0.70593	0.7125	0.7125
714	0.71864	0.716339	0.70971	0.688133	0.703026	0.70990	0.7135	0.7135
715	0.71895	0.717194	0.71249	0.689171	0.705376	0.71012	0.7145	0.7145
716	0.71925	0.717438	0.71539	0.689476	0.706078	0.71141	0.7155	0.7155
717	0.71999	0.717804	0.71569	0.690392	0.707268	0.71193	0.7165	0.7165
718	0.72047	0.718292	0.71593	0.690758	0.707329	0.71309	0.7175	0.7175
719	0.72072	0.718781	0.71703	0.691673	0.707695	0.71330	0.7185	0.7185
720	0.72102	0.722565	0.71828	0.694939	0.708855	0.71423	0.7195	0.7195
721	0.72151	0.723785	0.71957	0.699272	0.709221	0.71553	0.7205	0.7205
722	0.72261	0.724274	0.72039	0.700951	0.709343	0.71620	0.7215	0.7215
723	0.72285	0.724518	0.72063	0.701591	0.710564	0.71708	0.7225	0.7225
724	0.72395	0.725128	0.72128	0.706657	0.713036	0.71737	0.7235	0.7235
725	0.72536	0.725616	0.72134	0.707939	0.713097	0.71789	0.7245	0.7245
726	0.72676	0.727814	0.72204	0.709618	0.713188	0.71855	0.7255	0.7255
727	0.72804	0.728912	0.72399	0.712242	0.715141	0.71994	0.7265	0.7265
728	0.72823	0.729889	0.72451	0.712334	0.716393	0.72146	0.7275	0.7275
729	0.72914	0.730743	0.72646	0.712852	0.717064	0.72300	0.7285	0.7285
730	0.73030	0.732819	0.72747	0.715019	0.717339	0.72566	0.7295	0.7295
731	0.73067	0.732941	0.72750	0.716026	0.718529	0.72738	0.7305	0.7305
732	0.73152	0.733307	0.72759	0.716515	0.718712	0.73036	0.7315	0.7315
733	0.73244	0.733429	0.72805	0.716911	0.719475	0.73103	0.7325	0.7325
734	0.73409	0.734161	0.72826	0.718224	0.721001	0.73153	0.7335	0.7335
735	0.73836	0.735016	0.72839	0.719841	0.721672	0.73265	0.7345	0.7345
736	0.73872	0.736359	0.72933	0.719963	0.722008	0.73344	0.7355	0.7355
737	0.73885	0.736969	0.72982	0.720573	0.722099	0.73388	0.7365	0.7365
738	0.73897	0.738434	0.73031	0.721733	0.722282	0.73390	0.7375	0.7375
739	0.73933	0.7388	0.73083	0.72216	0.722527	0.73408	0.7385	0.7385
740	0.73982	0.739777	0.73165	0.722221	0.722954	0.73680	0.7395	0.7395
741	0.74031	0.740021	0.73214	0.724876	0.723045	0.73692	0.7405	0.7405
742	0.74049	0.741852	0.73684	0.726799	0.7239	0.73729	0.7415	0.7415
743	0.74220	0.742096	0.73742	0.728752	0.72509	0.73748	0.7425	0.7425
744	0.74336	0.743317	0.73827	0.728905	0.726616	0.73899	0.7435	0.7435
745	0.74458	0.74527	0.74142	0.733421	0.727196	0.73996	0.7445	0.7445
746	0.74532	0.747467	0.74206	0.734184	0.727715	0.74057	0.7455	0.7455

747	0.74641	0.750153	0.74303	0.734245	0.727928	0.74089	0.7465	0.7465
748	0.75014	0.750885	0.74621	0.735222	0.728813	0.74109	0.7475	0.7475
749	0.75288	0.751007	0.74761	0.736534	0.728844	0.74211	0.7485	0.7485
750	0.75301	0.752472	0.74895	0.736595	0.729759	0.74343	0.7495	0.7495
751	0.75374	0.75296	0.74902	0.737144	0.729851	0.74403	0.7505	0.7505
752	0.75575	0.753204	0.75042	0.737572	0.730766	0.74408	0.7515	0.7515
753	0.75655	0.753448	0.75130	0.737694	0.731804	0.74516	0.7525	0.7525
754	0.75691	0.754059	0.75216	0.738121	0.732109	0.74717	0.7535	0.7535
755	0.75716	0.754181	0.75262	0.738243	0.732536	0.74774	0.7545	0.7545
756	0.75728	0.754913	0.75430	0.738884	0.733086	0.74788	0.7555	0.7555
757	0.75899	0.756134	0.75637	0.740562	0.733452	0.74998	0.7565	0.7565
758	0.75935	0.756744	0.75735	0.740898	0.735466	0.75061	0.7575	0.7575
759	0.75996	0.758087	0.75744	0.74102	0.73632	0.75105	0.7585	0.7585
760	0.76082	0.75943	0.75857	0.741173	0.737053	0.75171	0.7595	0.7595
761	0.76094	0.760284	0.75881	0.741325	0.738457	0.75241	0.7605	0.7605
762	0.76100	0.760773	0.75948	0.742332	0.73864	0.75326	0.7615	0.7615
763	0.76106	0.762604	0.76031	0.743858	0.741753	0.75500	0.7625	0.7625
764	0.76222	0.76297	0.76141	0.744041	0.743126	0.75688	0.7635	0.7635
765	0.76259	0.76358	0.76244	0.744743	0.744621	0.75714	0.7645	0.7645
766	0.76344	0.765167	0.76342	0.745995	0.745872	0.75801	0.7655	0.7655
767	0.76479	0.765289	0.76351	0.748405	0.748619	0.76219	0.7665	0.7665
768	0.76778	0.765411	0.76360	0.749809	0.74868	0.76251	0.7675	0.7675
769	0.76814	0.766876	0.76482	0.751457	0.749168	0.76345	0.7685	0.7685
770	0.76930	0.766998	0.76687	0.751854	0.750206	0.76458	0.7695	0.7695
771	0.77065	0.767853	0.76711	0.753166	0.750786	0.76474	0.7705	0.7705
772	0.77113	0.768585	0.76803	0.753807	0.751396	0.76635	0.7715	0.7715
773	0.77193	0.771149	0.77038	0.754356	0.754326	0.76637	0.7725	0.7725
774	0.77303	0.771271	0.77151	0.75631	0.754509	0.76718	0.7735	0.7735
775	0.77638	0.772614	0.77273	0.756645	0.754662	0.76744	0.7745	0.7745
776	0.77687	0.772736	0.77346	0.757072	0.755669	0.76837	0.7755	0.7755
777	0.77718	0.772858	0.77489	0.75988	0.75695	0.76860	0.7765	0.7765
778	0.77888	0.774078	0.77590	0.759911	0.758629	0.76869	0.7775	0.7775
779	0.78078	0.775421	0.77639	0.760185	0.760368	0.76954	0.7785	0.7785
780	0.78700	0.777374	0.77679	0.761223	0.761711	0.77040	0.7795	0.7795
781	0.78914	0.777985	0.77740	0.762566	0.762596	0.77090	0.7805	0.7805
782	0.78957	0.784332	0.77828	0.763725	0.762718	0.77139	0.7815	0.7815
783	0.78981	0.78714	0.77856	0.765617	0.763268	0.77211	0.7825	0.7825
784	0.79097	0.788727	0.77926	0.766197	0.763542	0.77293	0.7835	0.7835
785	0.79195	0.793488	0.77962	0.767052	0.764153	0.77353	0.7845	0.7845
786	0.79213	0.796661	0.78213	0.767601	0.765038	0.77371	0.7855	0.7855
787	0.79298	0.796906	0.78307	0.768639	0.766411	0.77510	0.7865	0.7865
788	0.79359	0.797394	0.78466	0.76873	0.766502	0.77665	0.7875	0.7875
789	0.79384	0.798004	0.78579	0.768913	0.768394	0.77816	0.7885	0.7885
790	0.79445	0.798248	0.78597	0.7705	0.769371	0.77848	0.7895	0.7895
791	0.79518	0.80069	0.78603	0.770866	0.770744	0.77851	0.7905	0.7905
792	0.79549	0.80191	0.78918	0.771324	0.771263	0.77853	0.7915	0.7915
793	0.79854	0.802032	0.78927	0.773643	0.771294	0.78102	0.7925	0.7925

794	0.79927	0.802155	0.78930	0.774071	0.773125	0.78158	0.7935	0.7935
795	0.79951	0.802521	0.78994	0.774498	0.773766	0.78245	0.7945	0.7945
796	0.80061	0.802643	0.79125	0.775261	0.775505	0.78277	0.7955	0.7955
797	0.80074	0.803375	0.79324	0.775322	0.777214	0.78315	0.7965	0.7965
798	0.80226	0.80423	0.79458	0.776146	0.777885	0.78355	0.7975	0.7975
799	0.80525	0.806305	0.79531	0.777702	0.780968	0.78398	0.7985	0.7985
800	0.80641	0.810822	0.79543	0.777733	0.7817	0.78608	0.7995	0.7995
801	0.81001	0.811676	0.79629	0.778374	0.78289	0.78692	0.8005	0.8005
802	0.81068	0.812164	0.79641	0.780602	0.783134	0.78758	0.8015	0.8015
803	0.81215	0.812897	0.79675	0.781425	0.783653	0.79028	0.8025	0.8025
804	0.81282	0.814484	0.79702	0.782158	0.784325	0.79084	0.8035	0.8035
805	0.81331	0.815704	0.79757	0.785484	0.789726	0.79329	0.8045	0.8045
806	0.81477	0.816681	0.79772	0.788933	0.789787	0.79338	0.8055	0.8055
807	0.81544	0.817291	0.79803	0.789818	0.78997	0.79478	0.8065	0.8065
808	0.81630	0.818024	0.79858	0.789909	0.793907	0.79756	0.8075	0.8075
809	0.81770	0.820221	0.79986	0.790062	0.794884	0.79794	0.8085	0.8085
810	0.81917	0.820709	0.80035	0.790245	0.796165	0.79876	0.8095	0.8095
811	0.81960	0.82132	0.80071	0.790581	0.798607	0.80081	0.8105	0.8105
812	0.82173	0.822052	0.80138	0.790703	0.799248	0.80095	0.8115	0.8115
813	0.82228	0.822906	0.80169	0.791954	0.799522	0.80127	0.8125	0.8125
814	0.82283	0.825226	0.80465	0.792076	0.802574	0.80128	0.8135	0.8135
815	0.82368	0.826202	0.80587	0.792564	0.803947	0.80191	0.8145	0.8145
816	0.82436	0.828522	0.80608	0.793785	0.805168	0.80281	0.8155	0.8155
817	0.82491	0.829376	0.80618	0.795555	0.807365	0.80288	0.8165	0.8165
818	0.82704	0.830231	0.80727	0.795616	0.807854	0.80340	0.8175	0.8175
819	0.82735	0.830719	0.80901	0.796043	0.808311	0.80403	0.8185	0.8185
820	0.82851	0.831451	0.81124	0.797935	0.809715	0.80543	0.8195	0.8195
821	0.82906	0.833405	0.81133	0.798363	0.809959	0.80682	0.8205	0.8205
822	0.82918	0.834503	0.81219	0.799309	0.810112	0.80758	0.8215	0.8215
823	0.82924	0.835236	0.81396	0.801018	0.811455	0.80824	0.8225	0.8225
824	0.82936	0.835602	0.81445	0.803642	0.812889	0.80865	0.8235	0.8235
825	0.83046	0.83609	0.81496	0.803886	0.81292	0.80972	0.8245	0.8245
826	0.83101	0.836334	0.81567	0.80471	0.815117	0.81070	0.8255	0.8255
827	0.83253	0.838043	0.81698	0.805779	0.815392	0.81114	0.8265	0.8265
828	0.83321	0.838776	0.81966	0.812553	0.816429	0.81152	0.8275	0.8275
829	0.83327	0.839386	0.81991	0.813072	0.816551	0.81224	0.8285	0.8285
830	0.83430	0.83963	0.82012	0.814415	0.817863	0.81320	0.8295	0.8295
831	0.83571	0.839996	0.82085	0.815422	0.81823	0.81419	0.8305	0.8305
832	0.83699	0.841705	0.82238	0.815514	0.820244	0.81611	0.8315	0.8315
833	0.83754	0.842316	0.82317	0.81707	0.820274	0.82008	0.8325	0.8325
834	0.83992	0.844025	0.82455	0.817253	0.821342	0.82225	0.8335	0.8335
835	0.84187	0.844147	0.82507	0.818291	0.821404	0.82315	0.8345	0.8345
836	0.84242	0.845245	0.82696	0.818748	0.823814	0.82371	0.8355	0.8355
837	0.84248	0.845856	0.82790	0.818779	0.823906	0.82400	0.8365	0.8365
838	0.84297	0.848175	0.82879	0.81884	0.824699	0.82852	0.8375	0.8375
839	0.84413	0.851105	0.82906	0.818901	0.825035	0.83030	0.8385	0.8385
840	0.84419	0.851156	0.83150	0.819725	0.826103	0.83114	0.8395	0.8395

841	0.84608	0.851715	0.83337	0.821281	0.826164	0.83128	0.8405	0.8405
842	0.84724	0.852081	0.83450	0.821373	0.827324	0.83381	0.8415	0.8415
843	0.84731	0.852448	0.83755	0.82766	0.827629	0.83451	0.8425	0.8425
844	0.84755	0.852936	0.83776	0.828209	0.828392	0.83712	0.8435	0.8435
845	0.84859	0.85318	0.83816	0.829948	0.831902	0.83769	0.8445	0.8445
846	0.84932	0.853302	0.83913	0.8312	0.834129	0.83860	0.8455	0.8455
847	0.84938	0.853546	0.84020	0.83181	0.835655	0.83947	0.8465	0.8465
848	0.84987	0.855499	0.84115	0.836205	0.837242	0.83993	0.8475	0.8475
849	0.85017	0.855621	0.84185	0.83654	0.839287	0.83995	0.8485	0.8485
850	0.85091	0.856598	0.84228	0.836632	0.839897	0.84144	0.8495	0.8495
851	0.85182	0.859039	0.84359	0.83709	0.840538	0.84207	0.8505	0.8505
852	0.85365	0.861847	0.84963	0.837425	0.840843	0.84330	0.8515	0.8515
853	0.85451	0.862213	0.85036	0.838951	0.841179	0.84643	0.8525	0.8525
854	0.85524	0.864532	0.85073	0.839806	0.842003	0.84669	0.8535	0.8535
855	0.85976	0.864899	0.85143	0.839928	0.843224	0.84674	0.8545	0.8545
856	0.85994	0.865265	0.85226	0.841484	0.844231	0.84762	0.8555	0.8555
857	0.86018	0.866119	0.85241	0.8424	0.844322	0.84794	0.8565	0.8565
858	0.86067	0.866241	0.85394	0.842461	0.844688	0.84817	0.8575	0.8575
859	0.86171	0.867828	0.85403	0.843315	0.844872	0.84881	0.8585	0.8585
860	0.86604	0.868439	0.85418	0.84362	0.846764	0.84913	0.8595	0.8595
861	0.86806	0.868683	0.85452	0.844597	0.84713	0.85019	0.8605	0.8605
862	0.86812	0.869659	0.85650	0.84481	0.848015	0.85131	0.8615	0.8615
863	0.86867	0.87088	0.86150	0.850304	0.849846	0.8521623	0.8625	0.8625
864	0.86903	0.871735	0.86181	0.850639	0.851555	0.85479	0.8635	0.8635
865	0.86909	0.873199	0.86385	0.851402	0.852165	0.85539	0.8645	0.8645
866	0.87007	0.873322	0.86404	0.851646	0.852623	0.85644	0.8655	0.8655
867	0.87038	0.874054	0.86535	0.853142	0.853905	0.85795	0.8665	0.8665
868	0.87080	0.87442	0.86538	0.853966	0.85421	0.85884	0.8675	0.8675
869	0.87111	0.875031	0.86678	0.8554	0.856438	0.86033	0.8685	0.8685
870	0.87495	0.876862	0.86761	0.855461	0.856926	0.86219	0.8695	0.8695
871	0.87538	0.87735	0.86828	0.85659	0.857841	0.86335	0.8705	0.8705
872	0.87563	0.878815	0.86871	0.860588	0.858025	0.86346	0.8715	0.8715
873	0.87733	0.878937	0.87154	0.861687	0.8601	0.86435	0.8725	0.8725
874	0.87752	0.880768	0.87173	0.863365	0.86013	0.86525	0.8735	0.8735
875	0.87886	0.881012	0.87356	0.863426	0.860527	0.86616	0.8745	0.8745
876	0.87917	0.881256	0.87612	0.864464	0.861534	0.86674	0.8755	0.8755
877	0.87923	0.882477	0.87679	0.865746	0.861595	0.86714	0.8765	0.8765
878	0.88197	0.884552	0.87832	0.866203	0.862358	0.86755	0.8775	0.8775
879	0.88484	0.88504	0.87975	0.866722	0.862846	0.86822	0.8785	0.8785
880	0.88545	0.886017	0.87984	0.868187	0.863213	0.87214	0.8795	0.8795
881	0.88747	0.888092	0.88009	0.86895	0.864189	0.87307	0.8805	0.8805
882	0.88765	0.888214	0.88033	0.869377	0.865562	0.87449	0.8815	0.8815
883	0.88783	0.888824	0.88052	0.869408	0.866173	0.87745	0.8825	0.8825
884	0.88826	0.889557	0.88064	0.870445	0.866692	0.87834	0.8835	0.8835
885	0.89009	0.891632	0.88082	0.87188	0.868584	0.87922	0.8845	0.8845
886	0.89070	0.89212	0.88378	0.871941	0.868767	0.87959	0.8855	0.8855
887	0.89162	0.892609	0.88424	0.872185	0.868858	0.87968	0.8865	0.8865

888	0.89320	0.892975	0.88662	0.875084	0.869041	0.88011	0.8875	0.8875
889	0.89516	0.893707	0.88949	0.876488	0.870201	0.88304	0.8885	0.8885
890	0.89662	0.894928	0.88976	0.876549	0.870689	0.88408	0.8895	0.8895
891	0.89723	0.895538	0.89001	0.877007	0.870995	0.88455	0.8905	0.8905
892	0.89857	0.896637	0.89068	0.877281	0.871513	0.88641	0.8915	0.8915
893	0.89931	0.896881	0.89248	0.877861	0.872917	0.88662	0.8925	0.8925
894	0.90028	0.897125	0.89321	0.879387	0.873833	0.88739	0.8935	0.8935
895	0.90285	0.898346	0.89397	0.879448	0.874687	0.88997	0.8945	0.8945
896	0.90395	0.898468	0.89443	0.880241	0.87606	0.89004	0.8955	0.8955
897	0.90425	0.900055	0.89703	0.881004	0.877678	0.89021	0.8965	0.8965
898	0.90456	0.901398	0.89764	0.881615	0.879112	0.89044	0.8975	0.8975
899	0.90480	0.901764	0.89904	0.8825	0.88131	0.89117	0.8985	0.8985
900	0.90596	0.90213	0.90060	0.882835	0.882622	0.89561	0.8995	0.8995
901	0.90651	0.902618	0.90133	0.883537	0.882652	0.89692	0.9005	0.9005
902	0.90657	0.90274	0.90389	0.884544	0.884911	0.89888	0.9015	0.9015
903	0.90706	0.902863	0.90392	0.884575	0.885674	0.89999	0.9025	0.9025
904	0.90718	0.904327	0.90429	0.884605	0.889458	0.90083	0.9035	0.9035
905	0.90779	0.905548	0.90490	0.884972	0.891197	0.90136	0.9045	0.9045
906	0.90882	0.905914	0.90621	0.885277	0.891289	0.90530	0.9055	0.9055
907	0.90895	0.906525	0.90710	0.885338	0.891991	0.90634	0.9065	0.9065
908	0.90913	0.906769	0.90951	0.886803	0.892601	0.90670	0.9075	0.9075
909	0.90932	0.907135	0.91082	0.887077	0.893639	0.90736	0.9085	0.9085
910	0.90938	0.9086	0.91116	0.887962	0.89547	0.90779	0.9095	0.9095
911	0.91084	0.90921	0.91128	0.890068	0.895958	0.91041	0.9105	0.9105
912	0.91115	0.910553	0.91204	0.891747	0.896202	0.91150	0.9115	0.9115
913	0.91212	0.910797	0.91253	0.892265	0.89782	0.91154	0.9125	0.9125
914	0.91292	0.911285	0.91564	0.893456	0.898247	0.91179	0.9135	0.9135
915	0.91353	0.911652	0.91634	0.893669	0.898643	0.91186	0.9145	0.9145
916	0.91463	0.911774	0.91836	0.895836	0.899498	0.91241	0.9155	0.9155
917	0.91963	0.915802	0.92144	0.897301	0.90136	0.91357	0.9165	0.9165
918	0.92012	0.915924	0.92236	0.897362	0.90435	0.91571	0.9175	0.9175
919	0.92067	0.916656	0.92309	0.897697	0.905602	0.91745	0.9185	0.9185
920	0.92140	0.918365	0.92327	0.898521	0.906334	0.91873	0.9195	0.9195
921	0.92146	0.918854	0.92348	0.898918	0.907219	0.92207	0.9205	0.9205
922	0.92165	0.919342	0.92419	0.899101	0.909294	0.92253	0.9215	0.9215
923	0.92189	0.91983	0.92620	0.899284	0.910484	0.92381	0.9225	0.9225
924	0.92305	0.921051	0.92791	0.901115	0.911369	0.92390	0.9235	0.9235
925	0.92500	0.924469	0.92870	0.901756	0.914604	0.92416	0.9245	0.9245
926	0.92531	0.924591	0.92876	0.90197	0.915276	0.92651	0.9255	0.9255
927	0.92671	0.925323	0.92992	0.904808	0.915855	0.92994	0.9265	0.9265
928	0.92793	0.926178	0.93063	0.905785	0.916435	0.93176	0.9275	0.9275
929	0.92805	0.928009	0.93084	0.90728	0.916954	0.93274	0.9285	0.9285
930	0.92842	0.929352	0.93188	0.91024	0.917076	0.93289	0.9295	0.9295
931	0.92897	0.929962	0.93505	0.911613	0.917595	0.93512	0.9305	0.9305
932	0.93068	0.930817	0.93612	0.911674	0.918053	0.93637	0.9315	0.9315
933	0.93385	0.930939	0.93621	0.91201	0.918999	0.93786	0.9325	0.9325
934	0.93465	0.932404	0.93771	0.913963	0.922112	0.93821	0.9335	0.9335

935	0.93575	0.93277	0.93777	0.91555	0.922935	0.93986	0.9345	0.9345
936	0.93654	0.935089	0.93926	0.915977	0.924065	0.94130	0.9355	0.9355
937	0.93819	0.937042	0.94112	0.917442	0.927086	0.94258	0.9365	0.9365
938	0.93996	0.937653	0.94188	0.919365	0.928551	0.94333	0.9375	0.9375
939	0.94075	0.938873	0.94189	0.919823	0.929466	0.94510	0.9385	0.9385
940	0.94112	0.940216	0.94219	0.921379	0.929771	0.94622	0.9395	0.9395
941	0.94148	0.941559	0.94482	0.922081	0.930107	0.94629	0.9405	0.9405
942	0.94264	0.94339	0.94613	0.922203	0.931206	0.94947	0.9415	0.9415
943	0.94283	0.943878	0.94659	0.923424	0.931999	0.94984	0.9425	0.9425
944	0.94289	0.944733	0.95049	0.924339	0.936546	0.95112	0.9435	0.9435
945	0.94344	0.94754	0.95077	0.924492	0.937645	0.95253	0.9445	0.9445
946	0.94398	0.948029	0.95211	0.926628	0.941399	0.95306	0.9455	0.9455
947	0.94496	0.948517	0.95275	0.931786	0.94149	0.95456	0.9465	0.9465
948	0.94521	0.949127	0.95348	0.932213	0.946556	0.95547	0.9475	0.9475
949	0.94624	0.950958	0.95431	0.933281	0.947899	0.95671	0.9485	0.9485
950	0.94643	0.951691	0.95440	0.934196	0.948479	0.95683	0.9495	0.9495
951	0.94759	0.952789	0.95489	0.936699	0.949821	0.95687	0.9505	0.9505
952	0.94814	0.953278	0.95501	0.936882	0.952141	0.95689	0.9515	0.9515
953	0.94820	0.954987	0.95513	0.940056	0.952873	0.95767	0.9525	0.9525
954	0.94966	0.955841	0.95583	0.941368	0.953178	0.95898	0.9535	0.9535
955	0.95021	0.956329	0.95687	0.941643	0.953209	0.95915	0.9545	0.9545
956	0.95308	0.95694	0.95757	0.941795	0.954674	0.95933	0.9555	0.9555
957	0.95393	0.957062	0.95766	0.943596	0.955681	0.95962	0.9565	0.9565
958	0.95442	0.957184	0.95782	0.943871	0.9562	0.96006	0.9575	0.9575
959	0.95454	0.95755	0.95831	0.944847	0.956474	0.96014	0.9585	0.9585
960	0.95552	0.958893	0.95937	0.945427	0.95681	0.96020	0.9595	0.9595
961	0.95613	0.960114	0.96020	0.946678	0.959526	0.96066	0.9605	0.9605
962	0.95924	0.960724	0.96035	0.952843	0.959892	0.96124	0.9615	0.9615
963	0.95979	0.961456	0.96127	0.95326	0.960136	0.96157	0.9625	0.9625
964	0.96004	0.961578	0.96142	0.95385	0.960167	0.96182	0.9635	0.9635
965	0.96120	0.961823	0.96185	0.953941	0.961052	0.96189	0.9645	0.9645
966	0.96394	0.961945	0.96221	0.954369	0.961632	0.96194	0.9655	0.9655
967	0.96577	0.963654	0.96447	0.95562	0.963463	0.96350	0.9665	0.9665
968	0.96626	0.965118	0.96487	0.957085	0.964928	0.96353	0.9675	0.9675
969	0.96974	0.965851	0.96612	0.957481	0.965599	0.96368	0.9685	0.9685
970	0.97035	0.965973	0.96645	0.957726	0.967735	0.96437	0.9695	0.9695
971	0.97041	0.966095	0.96847	0.958122	0.970726	0.96518	0.9705	0.9705
972	0.97139	0.968048	0.96889	0.959007	0.972923	0.96548	0.9715	0.9715
973	0.97267	0.968658	0.96920	0.963402	0.97332	0.96734	0.9725	0.9725
974	0.97279	0.971466	0.96951	0.963707	0.973747	0.96743	0.9735	0.9735
975	0.97298	0.971588	0.97002	0.96389	0.974022	0.96867	0.9745	0.9745
976	0.97316	0.972076	0.97097	0.964409	0.974541	0.96901	0.9755	0.9755
977	0.97511	0.973541	0.97112	0.964684	0.975029	0.96939	0.9765	0.9765
978	0.97560	0.97403	0.97115	0.96627	0.975304	0.96954	0.9775	0.9775
979	0.97646	0.976227	0.97335	0.969902	0.976646	0.97137	0.9785	0.9785
980	0.97719	0.976471	0.97393	0.970177	0.976952	0.97274	0.9795	0.9795
981	0.97939	0.976593	0.97411	0.971062	0.982201	0.97349	0.9805	0.9805

982	0.97993	0.979034	0.97707	0.971397	0.98394	0.97531	0.9815	0.9815
983	0.98012	0.979279	0.97915	0.971428	0.984825	0.97708	0.9825	0.9825
984	0.98103	0.982208	0.98141	0.973534	0.985191	0.97862	0.9835	0.9835
985	0.98219	0.983063	0.98299	0.97744	0.985771	0.97880	0.9845	0.9845
986	0.98238	0.985504	0.98479	0.979546	0.987175	0.98069	0.9855	0.9855
987	0.98286	0.987091	0.98540	0.979607	0.987785	0.98146	0.9865	0.9865
988	0.98451	0.988556	0.98602	0.980186	0.988029	0.98205	0.9875	0.9875
989	0.98512	0.990509	0.98647	0.980736	0.988365	0.98227	0.9885	0.9885
990	0.98531	0.990875	0.98702	0.981346	0.988426	0.98248	0.9895	0.9895
991	0.98640	0.991974	0.98928	0.982811	0.99041	0.98397	0.9905	0.9905
992	0.98726	0.992462	0.98952	0.982933	0.99044	0.98562	0.9915	0.9915
993	0.98854	0.99295	0.98980	0.983788	0.991264	0.98635	0.9925	0.9925
994	0.99226	0.994049	0.99212	0.984062	0.991356	0.98716	0.9935	0.9935
995	0.99477	0.994904	0.99413	0.98568	0.993187	0.99047	0.9945	0.9945
996	0.99568	0.995026	0.99432	0.987083	0.99334	0.99121	0.9955	0.9955
997	0.99678	0.996857	0.99581	0.988396	0.995232	0.99166	0.9965	0.9965
998	0.99727	0.997955	0.99660	0.994926	0.995445	0.99395	0.9975	0.9975
999	0.99739	0.998932	0.99670	0.995903	0.995934	0.99456	0.9985	0.9985
1000	0.99916	0.999664	0.99938	0.997887	0.998711	0.99899	0.9995	0.9995