

```

function z = heat_assg(f,g0,g1,T,n,m,c)

n=20
m=15 c=2.2 T=0.3
h=6/n k=T/m
r=(c*k)/h^2 s=1-(2*r)
x=0:h:6 t=0:k:T
f=inline('3*(x.^2)')
g0=inline('0*t')
g1=inline('108*(t.^0)')

T(1:n+1,1)=f(x)
T(1,1:m+1)=g0(t)
T(n+1,1:m+1)=g1(t)
    for
j=1:m
    T(2:n,j+1)=r*T(1:n-1,j)+s*T(2:n,j)+r*T(3:n+1,j)
end z=T'
mesh(x,t,z)

```

Answers

n =

20

m =

15

c =

2.2

T =

0.3

h =

0.3

k =

0.02

r =

0.488888888888889

s =

0.0222222222222221

x =

Columns 1 through 9

0

0.3

0.6

0.9

1.2

1.5

1.8                    2.1                    2.4

Columns 10 through 18

                  2.7                    3                    3.3                    3.6                    3.9                    4.2  
4.5                    4.8                    5.1

Columns 19 through 21

                  5.4                    5.7                    6

t =

Columns 1 through 9

                  0                    0.02                    0.04                    0.06                    0.08                    0.1  
0.12                    0.14                    0.16

Columns 10 through 16

                  0.18                    0.2                    0.22                    0.24                    0.26                    0.28  
0.3

f =

Inline function:

$f(x) = 3 \cdot (x.^2)$

$g_0 =$

Inline function:

$$g_0(t) = 0 \cdot t$$

$g_1 =$

Inline function:

$$g_1(t) = 108 \cdot (t.^0)$$

$T =$

0

0.27

1.08

2.43

4.32

6.75

9.72

13.23

17.28

21.87

27

32.67

38.88

45.63

52.92	
60.75	
69.12	
78.03	
87.48	97.47
108	

T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0	0	0	0	0
0	0	0				
	1.08	0	0	0	0	0
0	0	0				
	2.43	0	0	0	0	0
0	0	0				
	4.32	0	0	0	0	0
0	0	0				
	6.75	0	0	0	0	0
0	0	0				
	9.72	0	0	0	0	0
0	0	0				
	13.23	0	0	0	0	0
0	0	0				
	17.28	0	0	0	0	0
0	0	0				
	21.87	0	0	0	0	0
0	0	0				

0	27	0	0	0	0	0
0	0	0				
0	32.67	0	0	0	0	0
0	0	0				
0	38.88	0	0	0	0	0
0	0	0				
0	45.63	0	0	0	0	0
0	0	0				
0	52.92	0	0	0	0	0
0	0	0				
0	60.75	0	0	0	0	0
0	0	0				
0	69.12	0	0	0	0	0
0	0	0				
0	78.03	0	0	0	0	0
0	0	0				
0	87.48	0	0	0	0	0
0	0	0				
0	97.47	0	0	0	0	0
0	0	0				
0	108	0	0	0	0	0
0	0	0				

Columns 10 through 16

0	0	0	0	0	0
0	0	0	0	0	0
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T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0	0	0	0	0
0	0	0				
	1.08	0	0	0	0	0
0	0	0				
	2.43	0	0	0	0	0
0	0	0				
	4.32	0	0	0	0	0
0	0	0				
	6.75	0	0	0	0	0
0	0	0				
	9.72	0	0	0	0	0
0	0	0				
	13.23	0	0	0	0	0
0	0	0				
	17.28	0	0	0	0	0
0	0	0				
	21.87	0	0	0	0	0
0	0	0				
	27	0	0	0	0	0
0	0	0				
	32.67	0	0	0	0	0
0	0	0				
	38.88	0	0	0	0	0
0	0	0				
	45.63	0	0	0	0	0
0	0	0				



0	52.92	0	0	0	0	0
	0	0				
0	60.75	0	0	0	0	0
	0	0				
0	69.12	0	0	0	0	0
	0	0				
0	78.03	0	0	0	0	0
	0	0				
0	87.48	0	0	0	0	0
	0	0				
0	97.47	0	0	0	0	0
	0	0				
108	108	108	108	108	108	108
	108	108				

Columns 10 through 16

[illegible]

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0                      0                      0                      0                      0                      0

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$$0 \qquad 0 \qquad 0 \qquad 0 \qquad 0 \qquad 0$$

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$$0 \qquad 0 \qquad 0 \qquad 0 \qquad 0 \qquad 0$$

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0                      0                      0                      0                      0                      0

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$$T =$$

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				

0

0.27	0.534	0	0	0	0
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0	0	0				
	1.08	1.344	0	0	0	0
0	0	0				
	2.43	2.694	0	0	0	0
0	0	0				
	4.32	4.584	0	0	0	0
0	0	0				
	6.75	7.014	0	0	0	0
0	0	0				
	9.72	9.984	0	0	0	0
0	0	0				
	13.23	13.494	0	0	0	0
0	0	0				
	17.28	17.544	0	0	0	0
0	0	0				
	21.87	22.134	0	0	0	0
0	0	0				
	27	27.264	0	0	0	0
0	0	0				
	32.67	32.934	0	0	0	0
0	0	0				
	38.88	39.144	0	0	0	0
0	0	0				
	45.63	45.894	0	0	0	0
0	0	0				
	52.92	53.184	0	0	0	0
0	0	0				
	60.75	61.014	0	0	0	0
0	0	0				
	69.12	69.384	0	0	0	0
0	0	0				
	78.03	78.294	0	0	0	0
0	0	0				
	87.48	87.744	0	0	0	0
0	0	0				

0	97.47 0	97.734 0	0	0	0	0
108	108 108	108 108	108	108	108	108

Columns 10 through 16

[illegible]



0	9.72 0	9.984 0	10.248	0	0	0
0	13.23 0	13.494 0	13.758	0	0	0
0	17.28 0	17.544 0	17.808	0	0	0
0	21.87 0	22.134 0	22.398	0	0	0
0	27 0	27.264 0	27.528	0	0	0
0	32.67 0	32.934 0	33.198	0	0	0
0	38.88 0	39.144 0	39.408	0	0	0
0	45.63 0	45.894 0	46.158	0	0	0
0	52.92 0	53.184 0	53.448	0	0	0
0	60.75 0	61.014 0	61.278	0	0	0
0	69.12 0	69.384 0	69.648	0	0	0
0	78.03 0	78.294 0	78.558	0	0	0
0	87.48 0	87.744 0	88.008	0	0	0
0	97.47 0	97.734 0	97.86893333333333 0	0	0	
108	108 108	108 108	108	108	108	108

Columns 10 through 16

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0	0	0	0	0	0	0
108	108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
0	0.27	0.534	0.6689333333333333	0.800998518518519		0
0	0	0	0			
0	1.08	1.344	1.608	1.80890074074074		0
0	0	0	0			
0	2.43	2.694	2.958	3.222	0	0
0	0	0				
0	4.32	4.584	4.848	5.112	0	0
0	0	0				
0	6.75	7.014	7.278	7.542	0	0
0	0	0				
0	9.72	9.984	10.248	10.512	0	0
0	0	0				
0	13.23	13.494	13.758	14.022	0	0
0	0	0				
0	17.28	17.544	17.808	18.072	0	0
0	0	0				
0	21.87	22.134	22.398	22.662	0	0
0	0	0				
0	27	27.264	27.528	27.792	0	0
0	0	0				



0	32.670	32.9340	33.198	33.462	0	0
0	38.880	39.1440	39.408	39.672	0	0
0	45.630	45.8940	46.158	46.422	0	0
0	52.920	53.1840	53.448	53.712	0	0
0	60.750	61.0140	61.278	61.542	0	0
0	69.120	69.3840	69.648	69.912	0	0
0	78.030	78.2940	78.558	78.822	0	0
0	87.480	87.7440	88.0080	88.2089007407407	0	
0	97.470	97.7340	97.86893333333333	98.0009985185185		0
108	108	108	108	108	108	108

[illegible]



Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		0	0	0	0	
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
0	0	0	0			
	2.43	2.694	2.958	3.222	3.45515147325103	
0	0	0	0			
	4.32	4.584	4.848	5.112	5.376	0
0	0	0				
	6.75	7.014	7.278	7.542	7.806	0
0	0	0				
	9.72	9.984	10.248	10.512	10.776	0
0	0	0				
	13.23	13.494	13.758	14.022	14.286	0
0	0	0				
	17.28	17.544	17.808	18.072	18.336	0
0	0	0				
	21.87	22.134	22.398	22.662	22.926	0
0	0	0				
	27	27.264	27.528	27.792	28.056	0
0	0	0				
	32.67	32.934	33.198	33.462	33.726	0
0	0	0				
	38.88	39.144	39.408	39.672	39.936	0
0	0	0				
	45.63	45.894	46.158	46.422	46.686	0
0	0	0				
	52.92	53.184	53.448	53.712	53.976	0
0	0	0				
	60.75	61.014	61.278	61.542	61.806	0
0	0	0				

0	69.120	69.3840	69.6480	69.9120	70.1760	0
0	78.030	78.2940	78.5580	78.8220	79.055151473251	
0	87.480	87.7440	88.0080	88.2089007407407	88.4069970699588	
98.1021514403292	97.470	97.7340	97.8689333333333	98.0009985185185		
108	108	108	108	108	108	108

Columns 10 through 16

[illegible]

0                      0                      0                      0                      0                      0

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108	108	108	108	108	108
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$$T =$$

Columns 1 through 9

$$\begin{array}{ccccccc} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & & & & \end{array}$$

0.27	0.534	0.6689333333333333	0.800998518518519
0.902151440329218	1.00124637732053	0	0

1.08	1.344	1.608	1.80890074074074	2.00699706995885
2.17483691486054	0	0	0	

2.43	2.694	2.958	3.222	3.45515147325103
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3.68624637805213	0	0	0		
4.32	4.584	4.848	5.112	5.376	
5.62491849803384	0	0	0		
6.75	7.014	7.278	7.542	7.806	8.07
0	0	0			
9.72	9.984	10.248	10.512	10.776	
11.04	0	0	0		
13.23	13.494	13.758	14.022	14.286	
14.55	0	0	0		
17.28	17.544	17.808	18.072	18.336	
18.6	0	0	0		
21.87	22.134	22.398	22.662	22.926	
23.19	0	0	0		
27	27.264	27.528	27.792	28.056	
28.32	0	0	0		
32.67	32.934	33.198	33.462	33.726	
33.99	0	0	0		
38.88	39.144	39.408	39.672	39.936	
40.2	0	0	0		
45.63	45.894	46.158	46.422	46.686	
46.95	0	0	0		
52.92	53.184	53.448	53.712	53.976	
54.24	0	0	0		
60.75	61.014	61.278	61.542	61.806	
62.07	0	0	0		
69.12	69.384	69.648	69.912	70.176	
70.4249184980338	0	0	0		
78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	0	0	0		
87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	0	0	0		
97.47	97.734	97.86893333333333	98.0009985185185		
98.1021514403292	98.2012463773205	0	0	0	
108	108	108	108	108	108
108	108	108			

Columns 10 through 16

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	108	108	108	108	108	108
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T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218	1.00124637732053	1.08550352231672		0	0	
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054	2.33999283406798		0	0		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213	3.89513034359396		0	0		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384	5.87249641811512		0	0		
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099	0	0				
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	0	0			
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	0	0			



	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	0	0			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	0	0			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	0	0			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	0	0			
	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	0	0			
	45.63	45.894	46.158	46.422	46.686	
46.95	47.214	0	0			
	52.92	53.184	53.448	53.712	53.976	
54.24	54.504	0	0			
	60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261		0	0		
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151		0	0		
	78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594		0	0		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068		0	0		
	97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167		0	0	
	108	108	108	108	108	108
108	108	108				

Columns 10 through 16

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T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
0						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451		0	
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	4.1015531975916		0	
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	6.10558120099831		0	
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		8.58243440043986	0			
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387		0		
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	0			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	0			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	0			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	0			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	0			

	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	0			
	45.63	45.894	46.158	46.422	46.686	
46.95	47.214	47.478	0			
	52.92	53.184	53.448	53.712	53.976	
54.24	54.504	54.7643953348387	0			
	60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261	62.5824344004399	0			
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151	70.9055812009983	0			
	78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594	79.7015531975916	0			
	87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068	88.8869763974245	0			
	97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514			
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	108	108	108	108	108	108
108	108	108				

## Columns 10 through 16

[illegible]

[illegible]
$$T =$$

Columns 1 through 9

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0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986			
4.32	4.584	4.848	5.112	5.376		
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646			
6.75	7.014	7.278	7.542	7.806	8.07	
8.32662682126099	8.58243440043986	8.82937595975232				
9.72	9.984	10.248	10.512	10.776		
11.04	11.304	11.5643953348387	11.8243100476559			
13.23	13.494	13.758	14.022	14.286		
14.55	14.814	15.078	15.3402377192545			
17.28	17.544	17.808	18.072	18.336		
18.6	18.864	19.128	19.392			
21.87	22.134	22.398	22.662	22.926		
23.19	23.454	23.718	23.982			
27	27.264	27.528	27.792	28.056		
28.32	28.584	28.848	29.112			
32.67	32.934	33.198	33.462	33.726		
33.99	34.254	34.518	34.782			
38.88	39.144	39.408	39.672	39.936		
40.2	40.464	40.728	40.992			
45.63	45.894	46.158	46.422	46.686		
46.95	47.214	47.478	47.7402377192545			
52.92	53.184	53.448	53.712	53.976		
54.24	54.504	54.7643953348387	55.0243100476559			
60.75	61.014	61.278	61.542	61.806		
62.07	62.326626821261	62.5824344004399	62.8293759597523			



0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
108	108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
0.27	0.534	0.6689333333333333	0.800998518518519			
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		



2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378	
2.43	2.694	2.958	3.222	3.45515147325103
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986	
4.32	4.584	4.848	5.112	5.376
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646	
6.75	7.014	7.278	7.542	7.806
8.32662682126099	8.58243440043986	8.82937595975232		8.07
9.72	9.984	10.248	10.512	10.776
11.04	11.304	11.5643953348387	11.8243100476559	
13.23	13.494	13.758	14.022	14.286
14.55	14.814	15.078	15.3402377192545	
17.28	17.544	17.808	18.072	18.336
18.6	18.864	19.128	19.392	
21.87	22.134	22.398	22.662	22.926
23.19	23.454	23.718	23.982	
27	27.264	27.528	27.792	28.056
28.32	28.584	28.848	29.112	
32.67	32.934	33.198	33.462	33.726
33.99	34.254	34.518	34.782	
38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	40.992	
45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545	
52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559	
60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523	
69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265	
78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198	
87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838	
97.47	97.734	97.8689333333333	98.0009985185185	

98.1021514403292      98.2012463773205      98.2855035223167      98.3681187971514  
98.441813323122

108      108      108      108      108      108      108  
108      108      108

Columns 10 through 16

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0	1.31413151888367	0	0	0	0	0
0	2.76387506081789	0	0	0	0	0
0	4.47987423724989	0	0	0	0	0
0	6.55568768222032	0	0	0	0	0
0	9.07494402431476	0	0	0	0	0
0	12.0790180219068	0	0	0	0	0
0	15.6022013059485	0	0	0	0	0
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0	24.246	0	0	0	0	0
0	29.376	0	0	0	0	0
0	35.046	0	0	0	0	0
0	41.2551384405244	0	0	0	0	0
0	48.0022013059485	0	0	0	0	0

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	55.2790180219068	0	0	0	0	0
0						
	63.0749440243148	0	0	0	0	0
0						
	71.3556876822203	0	0	0	0	0
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	80.0798742372499	0	0	0	0	0
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	89.1638750608179	0	0	0	0	0
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	98.5141315188837	0	0	0	0	0
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	108	108	108	108	108	108
108						

T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
1.24181332312201						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451	2.63155022848378		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	4.1015531975916	4.29195156361986		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	6.10558120099831	6.33674018572646		
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		8.58243440043986	8.82937595975232			

	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387	11.8243100476559			
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	15.3402377192545			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	19.392			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	23.982			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	29.112			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	34.782			
	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	40.992			
	45.63	45.894	46.158	46.422	46.686	
46.95	47.214	47.478	47.7402377192545			
	52.92	53.184	53.448	53.712	53.976	
54.24	54.504	54.7643953348387	55.0243100476559			
	60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261	62.5824344004399	62.8293759597523			
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265			
	78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198			
	87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838			
	97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514			
98.441813323122						
	108	108	108	108	108	108
108	108	108				

Columns 10 through 16

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0	0					
0	4.47987423724989	4.65578343520201		0	0	0
0	0					
0	6.55568768222032	6.77248198748095		0	0	0
0	0					
0	9.07494402431476	9.31196598922469		0	0	0
0	0					
0	12.0790180219068	12.3328047841711		0	0	0
0	0					
0	15.6022013059485	15.8611920773208		0	0	0
0	0					
0	19.6551384405244	19.9181237149198		0	0	0
0	0					
0	24.246	24.5095787931453	0	0	0	0
0						
0	29.376	29.64	0	0	0	0
0						
0	35.046	35.3095787931453	0	0	0	0
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0	41.2551384405244	41.5181237149198		0	0	0
0	0					
0	48.0022013059485	48.2611920773208		0	0	0
0	0					
0	55.2790180219068	55.5328047841711		0	0	0
0	0					
0	63.0749440243148	63.3119659892247		0	0	0
0	0					
0	71.3556876822203	71.572481987481		0	0	0
0	0					

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0	0				
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108	108	108	108	108	108

T =

Columns 1 through 9

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0.902151440329218	0.27	0.534	0.6689333333333333	0.800998518518519		
1.24181332312201		1.00124637732053	1.08550352231672	1.16811879715138		
2.17483691486054	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
		2.33999283406798	2.48697639742451	2.63155022848378		
3.68624637805213	2.43	2.694	2.958	3.222	3.45515147325103	
		3.89513034359396	4.1015531975916	4.29195156361986		
5.62491849803384	4.32	4.584	4.848	5.112	5.376	
		5.87249641811512	6.10558120099831	6.33674018572646		
8.32662682126099	6.75	7.014	7.278	7.542	7.806	8.07
		8.58243440043986	8.82937595975232			
11.04	9.72	9.984	10.248	10.512	10.776	
	11.304	11.5643953348387	11.8243100476559			
14.55	13.23	13.494	13.758	14.022	14.286	
	14.814	15.078	15.3402377192545			
18.6	17.28	17.544	17.808	18.072	18.336	
	18.864	19.128	19.392			
	21.87	22.134	22.398	22.662	22.926	

23.19	23.454	23.718	23.982		
	27	27.264	27.528	27.792	28.056
28.32	28.584	28.848	29.112		
	32.67	32.934	33.198	33.462	33.726
33.99	34.254	34.518	34.782		
	38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	40.992		
	45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545		
	52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559		
	60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523		
	69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265		
	78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
	97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
	108	108	108	108	108
108	108	108			

Columns 10 through 16

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	4.47987423724989	4.65578343520201	4.82931923925771			0

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	6.55568768222032	6.77248198748095	6.97917709610819	0		
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	9.07494402431476	9.31196598922469	9.54729499923488	0		
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	15.6022013059485	15.8611920773208	16.1195915346071	0		
0	0	0				
	19.6551384405244	19.9181237149198	20.1794462858927	0		
0	0	0				
	24.246	24.5095787931453	24.7730733449196	0	0	
0	0					
	29.376	29.64	29.9035881532976	0	0	
0	0					
	35.046	35.3095787931453	35.5730733449196	0	0	
0	0					
	41.2551384405244	41.5181237149198	41.7794462858927	0		
0	0	0				
	48.0022013059485	48.2611920773208	48.5195915346071	0		
0	0	0				
	55.2790180219068	55.5328047841711	55.7809396055149	0		
0	0	0				
	63.0749440243148	63.3119659892247	63.5472949992349	0		
0	0	0				
	71.3556876822203	71.572481987481	71.7791770961082	0	0	
0	0					
	80.0798742372499	80.255783435202	80.4293192392577	0	0	
0	0					
	89.1638750608179	89.2940444821279	89.4153501359985	0		
0	0	0				
	98.5141315188837	98.5804307301528	98.6455424297104	0		
0	0	0				
	108	108	108	108	108	108



T =

Columns 1 through 9

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0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
1.24181332312201						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451	2.63155022848378		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	4.1015531975916	4.29195156361986		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	6.10558120099831	6.33674018572646		
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		8.58243440043986	8.82937595975232			
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387	11.8243100476559			
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	15.3402377192545			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	19.392			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	23.982			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	29.112			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	34.782			
	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	40.992			

	45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545		
	52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559		
	60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523		
	69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265		
	78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
	97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
	108	108	108	108	108
108	108	108			

Columns 10 through 16

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	2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326		
0	0	0				
	4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124		
0	0	0				
	6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878		
0	0	0				
	9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763		
0	0	0				
	12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453		
0	0	0				

0	15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235	
	0	0			
0	19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344	
	0	0			
0	24.246	24.5095787931453	24.7730733449196	25.0355518001579	
	0	0			
0	29.376	29.64	29.9035881532976	30.1670847851058	0
	0				
0	35.046	35.3095787931453	35.5730733449196	35.8355518001579	
	0	0			
0	41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344	
	0	0			
0	48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235	
	0	0			
0	55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453	
	0	0			
0	63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876	
	0	0			
0	71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988	
	0	0			
0	80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912	
	0	0			
0	89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733	
	0	0			
0	98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704	
	0	0			
108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
0.27	0.534	0.6689333333333333	0.800998518518519			
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986			
4.32	4.584	4.848	5.112	5.376		
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646			
6.75	7.014	7.278	7.542	7.806	8.07	
8.32662682126099	8.58243440043986	8.82937595975232				
9.72	9.984	10.248	10.512	10.776		
11.04	11.304	11.5643953348387	11.8243100476559			
13.23	13.494	13.758	14.022	14.286		
14.55	14.814	15.078	15.3402377192545			
17.28	17.544	17.808	18.072	18.336		
18.6	18.864	19.128	19.392			
21.87	22.134	22.398	22.662	22.926		
23.19	23.454	23.718	23.982			
27	27.264	27.528	27.792	28.056		
28.32	28.584	28.848	29.112			
32.67	32.934	33.198	33.462	33.726		
33.99	34.254	34.518	34.782			
38.88	39.144	39.408	39.672	39.936		
40.2	40.464	40.728	40.992			
45.63	45.894	46.158	46.422	46.686		
46.95	47.214	47.478	47.7402377192545			
52.92	53.184	53.448	53.712	53.976		
54.24	54.504	54.7643953348387	55.0243100476559			
60.75	61.014	61.278	61.542	61.806		
62.07	62.326626821261	62.5824344004399	62.8293759597523			
69.12	69.384	69.648	69.912	70.176		
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265			

78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
108	108	108	108	108	108
108	108	108			

Columns 10 through 16

0	0	0	0	0	0	0
0						
1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396			
1.56600197342924	0	0				
2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326			
3.24735304184373	0	0				
4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124			
5.15550758353725	0	0				
6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878			
7.37975203334075	0	0				
9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763			
10.0006157055213	0	0				
12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453			
13.0691591121587	0	0				
15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235			
16.6283454097911	0	0				
19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344			
20.6990973535775	0	0				
24.246	24.5095787931453	24.7730733449196	25.0355518001579			
25.2977834016012	0	0				
29.376	29.64	29.9035881532976	30.1670847851058			
30.4295858664901	0	0				

35.046	35.3095787931453	35.5730733449196	35.8355518001579
36.0977834016012	0	0	
41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344
42.2990973535775	0	0	
48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235
49.0283454097911	0	0	
55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453
56.2691591121587	0	0	
63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876
64.0006157055213	0	0	
71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988
72.1797520333407	0	0	
80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912
80.7555075835373	0	0	
89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733
89.6473530418437	0	0	
98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704
98.7660019734292	0	0	
108	108	108	108
108			

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
0.27	0.534	0.6689333333333333	0.800998518518519			
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		

3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986	
4.32	4.584	4.848	5.112	5.376
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646	
6.75	7.014	7.278	7.542	7.806
8.32662682126099	8.58243440043986	8.82937595975232		8.07
9.72	9.984	10.248	10.512	10.776
11.04	11.304	11.5643953348387	11.8243100476559	
13.23	13.494	13.758	14.022	14.286
14.55	14.814	15.078	15.3402377192545	
17.28	17.544	17.808	18.072	18.336
18.6	18.864	19.128	19.392	
21.87	22.134	22.398	22.662	22.926
23.19	23.454	23.718	23.982	
27	27.264	27.528	27.792	28.056
28.32	28.584	28.848	29.112	
32.67	32.934	33.198	33.462	33.726
33.99	34.254	34.518	34.782	
38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	40.992	
45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545	
52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559	
60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523	
69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265	
78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198	
87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838	
97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514	
98.441813323122				
108	108	108	108	108

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108

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Columns 10 through 16

0	0	0	0	0	0	0
1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396			
1.56600197342924	1.62239486431092	0				
2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326			
3.24735304184373	3.35823473989125	0				
4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124			
5.15550758353725	5.31004042750213	0				
6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878			
7.37975203334075	7.57365476428063	0				
9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763			
10.0006157055213	10.219481353478	0				
12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453			
13.0691591121587	13.3090289699785	0				
15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235			
16.6283454097911	16.8784441701331	0				
19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344			
20.6990973535775	20.9571984712046	0				
24.246	24.5095787931453	24.7730733449196	25.0355518001579			
25.2977834016012	25.5584180942909	0				
29.376	29.64	29.9035881532976	30.1670847851058			
30.4295858664901	30.6918234563765	0				
35.046	35.3095787931453	35.5730733449196	35.8355518001579			
36.0977834016012	36.3584180942909	0				
41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344			
42.2990973535775	42.5571984712046	0				
48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235			
49.0283454097911	49.2784441701331	0				
55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453			
56.2691591121587	56.5090289699785	0				



63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876
64.0006157055213	64.219481353478	0	
71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988
72.1797520333407	72.3736547642806	0	
80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912
80.7555075835373	80.9100404275021	0	
89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733
89.6473530418437	89.7582347398913	0	
98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704
98.7660019734292	98.8223948643109	0	
108	108	108	108
108			

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
0.27	0.534	0.6689333333333333	0.800998518518519			
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986			
4.32	4.584	4.848	5.112	5.376		
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646			
6.75	7.014	7.278	7.542	7.806	8.07	
8.32662682126099	8.58243440043986	8.82937595975232				
9.72	9.984	10.248	10.512	10.776		
11.04	11.304	11.5643953348387	11.8243100476559			
13.23	13.494	13.758	14.022	14.286		

14.55	14.814	15.078	15.3402377192545			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	19.392			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	23.982			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	29.112			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	34.782			
	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	40.992			
	45.63	45.894	46.158	46.422	46.686	
46.95	47.214	47.478	47.7402377192545			
	52.92	53.184	53.448	53.712	53.976	
54.24	54.504	54.7643953348387	55.0243100476559			
	60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261	62.5824344004399	62.8293759597523			
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265			
	78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198			
	87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838			
	97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514			
98.441813323122						
	108	108	108	108	108	108
108	108	108				

Columns 10 through 16

0	0	0	0	0	0	0
0						

1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396
1.56600197342924	1.62239486431092	1.67785686982041	
2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326
3.24735304184373	3.35823473989125	3.46381802577285	
4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124
5.15550758353725	5.31004042750213	5.46248021153963	
6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878
7.37975203334075	7.57365476428063	7.76051408768541	
9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763
10.0006157055213	10.219481353478	10.4364116334929	
12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453
13.0691591121587	13.3090289699785	13.5436308997649	
15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235
16.6283454097911	16.8784441701331	17.127454397248	
19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344
20.6990973535775	20.9571984712046	21.2126259619674	
24.246	24.5095787931453	24.7730733449196	25.0355518001579
25.2977834016012	25.5584180942909	25.8185977889128	
29.376	29.64	29.9035881532976	30.1670847851058
30.4295858664901	30.6918234563765	30.9524937690039	
35.046	35.3095787931453	35.5730733449196	35.8355518001579
36.0977834016012	36.3584180942909	36.6185977889128	
41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344
42.2990973535775	42.5571984712046	42.8126259619674	
48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235
49.0283454097911	49.2784441701331	49.527454397248	
55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453
56.2691591121587	56.5090289699785	56.743630899765	
63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876
64.0006157055213	64.219481353478	64.4364116334929	
71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988
72.1797520333407	72.3736547642806	72.5605140876854	
80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912
80.7555075835373	80.9100404275021	81.0624802115397	
89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733

89.6473530418437	89.7582347398913	89.8638180257728			
98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704		
98.7660019734292	98.8223948643109	98.8778568698204			
108	108	108	108	108	108

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z =

Columns 1 through 9

	0	0.27	1.08	2.43	4.32	6.75
9.72	13.23	17.28				
	0	0.534	1.344	2.694	4.584	7.014
9.984	13.494	17.544				
	0	0.6689333333333333	1.608	2.958	4.848	
7.278	10.248	13.758	17.808			
	0	0.800998518518519	1.80890074074074	3.222	5.112	
7.542	10.512	14.022	18.072			
	0	0.902151440329218	2.00699706995885	3.45515147325103		
5.376	7.806	10.776	14.286	18.336		
	0	1.00124637732053	2.17483691486054	3.68624637805213		
5.62491849803384		8.07	11.04	14.55	18.6	
	0	1.08550352231672	2.33999283406798	3.89513034359396		
5.87249641811512		8.32662682126099	11.304	14.814	18.864	
	0	1.16811879715138	2.48697639742451	4.1015531975916		
6.10558120099831		8.58243440043986	11.5643953348387	15.078		
19.128						
	0	1.24181332312201	2.63155022848378	4.29195156361986		
6.33674018572646		8.82937595975232	11.8243100476559	15.3402377192545		
19.392						
	0	1.31413151888367	2.76387506081789	4.47987423724989		
6.55568768222032		9.07494402431476	12.0790180219068	15.6022013059485		
19.6551384405244						

0	1.38043073015283	2.89404448212792	4.65578343520201
6.77248198748095	9.31196598922469	12.3328047841711	15.8611920773208
19.9181237149198			

0	1.44554242971038	3.01535013599854	4.82931923925771
6.97917709610819	9.54729499923488	12.5809396055149	16.1195915346071
20.1794462858927			

0	1.50629434270396	3.13471793007326	4.99353151879124
7.18365978539878	9.77488583188763	12.8278320744453	16.374401803235
20.440401636344			

0	1.56600197342924	3.24735304184373	5.15550758353725
7.37975203334075	10.0006157055213	13.0691591121587	16.6283454097911
20.6990973535775			

0	1.62239486431092	3.35823473989125	5.31004042750213
7.57365476428063	10.219481353478	13.3090289699785	16.8784441701331
20.9571984712046			

0	1.67785686982041	3.46381802577285	5.46248021153963
7.76051408768541	10.4364116334929	13.5436308997649	17.127454397248
21.2126259619674			

Columns 10 through 18

	21.87	27	32.67	38.88	45.63	52.92
60.75	69.12	78.03				
	22.134	27.264	32.934	39.144	45.894	
53.184	61.014	69.384	78.294			
	22.398	27.528	33.198	39.408	46.158	
53.448	61.278	69.648	78.558			
	22.662	27.792	33.462	39.672	46.422	
53.712	61.542	69.912	78.822			
	22.926	28.056	33.726	39.936	46.686	
53.976	61.806	70.176	79.055151473251			
	23.19	28.32	33.99	40.2	46.95	54.24
62.07	70.4249184980338	79.2862463780521				
	23.454	28.584	34.254	40.464	47.214	
54.504	62.326626821261	70.6724964181151	79.495130343594			

23.718	28.848	34.518	40.728	47.478
54.7643953348387	62.5824344004399	70.9055812009983	79.7015531975916	
23.982	29.112	34.782	40.992	47.7402377192545
55.0243100476559	62.8293759597523	71.1367401857265	79.8919515636198	
24.246	29.376	35.046	41.2551384405244	48.0022013059485
55.2790180219068	63.0749440243148	71.3556876822203	80.0798742372499	
24.5095787931453	29.64	35.3095787931453	41.5181237149198	
48.2611920773208	55.5328047841711	63.3119659892247	71.572481987481	
80.255783435202				
24.7730733449196	29.9035881532976	35.5730733449196	41.7794462858927	
48.5195915346071	55.7809396055149	63.5472949992349	71.7791770961082	
80.4293192392577				
25.0355518001579	30.1670847851058	35.8355518001579	42.040401636344	
48.774401803235	56.0278320744453	63.7748858318876	71.9836597853988	
80.5935315187912				
25.2977834016012	30.4295858664901	36.0977834016012	42.2990973535775	
49.0283454097911	56.2691591121587	64.0006157055213	72.1797520333407	
80.7555075835373				
25.5584180942909	30.6918234563765	36.3584180942909	42.5571984712046	
49.2784441701331	56.5090289699785	64.219481353478	72.3736547642806	
80.9100404275021				
25.8185977889128	30.9524937690039	36.6185977889128	42.8126259619674	
49.527454397248	56.743630899765	64.4364116334929	72.5605140876854	
81.0624802115397				

Columns 19 throug		3
87.48	97.47	5
87.744	97.734	58
88.008	97.8689333333333	58
88.2089007407407	98.0009985185185	58
88.4069970699588	98.1021514403292	58
88.5748369148605	98.2012463773205	58
88.739992834068	98.2855035223167	58
88.8869763974245	98.3681187971514	58

89.0315502284838	98.441813323122	58
89.1638750608179	98.5141315188837	58
89.2940444821279	98.5804307301528	58
89.4153501359985	98.6455424297104	58
89.5347179300733	98.706294342704	58
89.6473530418437	98.7660019734292	58
89.7582347398913	98.8223948643109	58

89.8638180257728      98.8778568698204      108

ans =

Columns 1 through 9

	0	0.27	1.08	2.43	4.32	6.75
9.72	13.23	17.28				
	0	0.534	1.344	2.694	4.584	7.014
9.984	13.494	17.544				
	0	0.6689333333333333	1.608	2.958	4.848	
7.278	10.248	13.758	17.808			
	0	0.800998518518519	1.80890074074074	3.222	5.112	
7.542	10.512	14.022	18.072			
	0	0.902151440329218	2.00699706995885	3.45515147325103		
5.376	7.806	10.776	14.286	18.336		
	0	1.00124637732053	2.17483691486054	3.68624637805213		
5.62491849803384	8.07	11.04	14.55	18.6		
	0	1.08550352231672	2.33999283406798	3.89513034359396		
5.87249641811512	8.32662682126099	11.304	14.814	18.864		

0	1.16811879715138	2.48697639742451	4.1015531975916
6.10558120099831	8.58243440043986	11.5643953348387	15.078
19.128			
0	1.24181332312201	2.63155022848378	4.29195156361986
6.33674018572646	8.82937595975232	11.8243100476559	15.3402377192545
19.392			
0	1.31413151888367	2.76387506081789	4.47987423724989
6.55568768222032	9.07494402431476	12.0790180219068	15.6022013059485
19.6551384405244			
0	1.38043073015283	2.89404448212792	4.65578343520201
6.77248198748095	9.31196598922469	12.3328047841711	15.8611920773208
19.9181237149198			
0	1.44554242971038	3.01535013599854	4.82931923925771
6.97917709610819	9.54729499923488	12.5809396055149	16.1195915346071
20.1794462858927			
0	1.50629434270396	3.13471793007326	4.99353151879124
7.18365978539878	9.77488583188763	12.8278320744453	16.374401803235
20.440401636344			
0	1.56600197342924	3.24735304184373	5.15550758353725
7.37975203334075	10.0006157055213	13.0691591121587	16.6283454097911
20.6990973535775			
0	1.62239486431092	3.35823473989125	5.31004042750213
7.57365476428063	10.219481353478	13.3090289699785	16.8784441701331
20.9571984712046			
0	1.67785686982041	3.46381802577285	5.46248021153963
7.76051408768541	10.4364116334929	13.5436308997649	17.127454397248
21.2126259619674			

Columns 10 through 18

21.87	27	32.67	38.88	45.63	52.92
60.75	69.12	78.03			
22.134	27.264	32.934	39.144	45.894	
53.184	61.014	69.384	78.294		
22.398	27.528	33.198	39.408	46.158	
53.448	61.278	69.648	78.558		



	22.662	27.792	33.462	39.672	46.422	
53.712	61.542	69.912	78.822			
	22.926	28.056	33.726	39.936	46.686	
53.976	61.806	70.176	79.055151473251			
	23.19	28.32	33.99	40.2	46.95	54.24
62.07	70.4249184980338	79.2862463780521				
	23.454	28.584	34.254	40.464	47.214	
54.504	62.326626821261	70.6724964181151	79.495130343594			
	23.718	28.848	34.518	40.728	47.478	
54.7643953348387	62.5824344004399	70.9055812009983	79.7015531975916			
	23.982	29.112	34.782	40.992	47.7402377192545	
55.0243100476559	62.8293759597523	71.1367401857265	79.8919515636198			
	24.246	29.376	35.046	41.2551384405244	48.0022013059485	
55.2790180219068	63.0749440243148	71.3556876822203	80.0798742372499			
	24.5095787931453	29.64	35.3095787931453	41.5181237149198		
48.2611920773208	55.5328047841711	63.3119659892247	71.572481987481			
80.255783435202						
	24.7730733449196	29.9035881532976	35.5730733449196	41.7794462858927		
48.5195915346071	55.7809396055149	63.5472949992349	71.7791770961082			
80.4293192392577						
	25.0355518001579	30.1670847851058	35.8355518001579	42.040401636344		
48.774401803235	56.0278320744453	63.7748858318876	71.9836597853988			
80.5935315187912						
	25.2977834016012	30.4295858664901	36.0977834016012	42.2990973535775		
49.0283454097911	56.2691591121587	64.0006157055213	72.1797520333407			
80.7555075835373						
	25.5584180942909	30.6918234563765	36.3584180942909	42.5571984712046		
49.2784441701331	56.5090289699785	64.219481353478	72.3736547642806			
80.9100404275021						
	25.8185977889128	30.9524937690039	36.6185977889128	42.8126259619674		
49.527454397248	56.743630899765	64.4364116334929	72.5605140876854			
81.0624802115397						

Columns 19 through 21

87.48	97.47	108
87.744	97.734	108
88.008	97.86893333333333	108
88.2089007407407	98.0009985185185	108
88.4069970699588	98.1021514403292	108
88.5748369148605	98.2012463773205	108
88.739992834068	98.2855035223167	108
88.8869763974245	98.3681187971514	108
89.0315502284838	98.441813323122	108
89.1638750608179	98.5141315188837	108
89.2940444821279	98.5804307301528	108
89.4153501359985	98.6455424297104	108
89.5347179300733	98.706294342704	108
89.6473530418437	98.7660019734292	108
89.7582347398913	98.8223948643109	108
89.8638180257728	98.8778568698204	108

>> heat\_assg

n =

20

m =

15

c =

2.2

T =

0.3

h =

0.3

k =

0.02

r =

0.488888888888889

s =

0.0222222222222221

x =

Columns 1 through 9

	0	0.3	0.6	0.9	1.2	1.5
1.8	2.1	2.4				

Columns 10 through 18

	2.7	3	3.3	3.6	3.9	4.2
4.5	4.8	5.1				

Columns 19 through 21

5.4	5.7	6
-----	-----	---

t =

Columns 1 through 9

	0	0.02	0.04	0.06	0.08	0.1
0.12	0.14	0.16				

Columns 10 through 16

	0.18	0.2	0.22	0.24	0.26	0.28
0.3						

f =

Inline function:

$$f(x) = 3 \cdot (x.^2)$$

g0 =

Inline function:

$$g0(t) = 0 \cdot t$$

g1 =

Inline function:

$$g1(t) = 108 \cdot (t.^0)$$

T =

0

0.27

1.08

2.43

4.32

6.75

9.72

13.23

17.28

21.87

27

32.67

38.88

45.63

52.92

60.75

69.12

78.03

87.48

97.47

108

T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0	0	0	0	0
0	0	0				
	1.08	0	0	0	0	0
0	0	0				
	2.43	0	0	0	0	0
0	0	0				
	4.32	0	0	0	0	0
0	0	0				
	6.75	0	0	0	0	0
0	0	0				

	9.72	0	0	0	0	0
0	0	0				
	13.23	0	0	0	0	0
0	0	0				
	17.28	0	0	0	0	0
0	0	0				
	21.87	0	0	0	0	0
0	0	0				
	27	0	0	0	0	0
0	0	0				
	32.67	0	0	0	0	0
0	0	0				
	38.88	0	0	0	0	0
0	0	0				
	45.63	0	0	0	0	0
0	0	0				
	52.92	0	0	0	0	0
0	0	0				
	60.75	0	0	0	0	0
0	0	0				
	69.12	0	0	0	0	0
0	0	0				
	78.03	0	0	0	0	0
0	0	0				
	87.48	0	0	0	0	0
0	0	0				
	97.47	0	0	0	0	0
0	0	0				
	108	0	0	0	0	0
0	0	0				

Columns 10 through 16

0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
0	0.27	0	0	0	0	0
0	0	0				
0	1.08	0	0	0	0	0
0	0	0				
0	2.43	0	0	0	0	0
0	0	0				
0	4.32	0	0	0	0	0
0	0	0				
0	6.75	0	0	0	0	0
0	0	0				
0	9.72	0	0	0	0	0
0	0	0				
0	13.23	0	0	0	0	0
0	0	0				
0	17.28	0	0	0	0	0
0	0	0				
0	21.87	0	0	0	0	0
0	0	0				
0	27	0	0	0	0	0
0	0	0				

0	32.67	0	0	0	0	0
0	0	0				
0	38.88	0	0	0	0	0
0	0	0				
0	45.63	0	0	0	0	0
0	0	0				
0	52.92	0	0	0	0	0
0	0	0				
0	60.75	0	0	0	0	0
0	0	0				
0	69.12	0	0	0	0	0
0	0	0				
0	78.03	0	0	0	0	0
0	0	0				
0	87.48	0	0	0	0	0
0	0	0				
0	97.47	0	0	0	0	0
0	0	0				
108	108	108	108	108	108	108
108	108	108				

	0	0	0	0	0	0
0						
	0	0	0	0	0	0
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	0	0	0	0	0	0
0						
	0	0	0	0	0	0
0						
	0	0	0	0	0	0
0						



Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0	0	0	0
0	0	0				
	1.08	1.344	0	0	0	0
0	0	0				
	2.43	2.694	0	0	0	0
0	0	0				
	4.32	4.584	0	0	0	0
0	0	0				
	6.75	7.014	0	0	0	0
0	0	0				
	9.72	9.984	0	0	0	0
0	0	0				
	13.23	13.494	0	0	0	0
0	0	0				
	17.28	17.544	0	0	0	0
0	0	0				
	21.87	22.134	0	0	0	0
0	0	0				
	27	27.264	0	0	0	0
0	0	0				
	32.67	32.934	0	0	0	0
0	0	0				
	38.88	39.144	0	0	0	0
0	0	0				
	45.63	45.894	0	0	0	0
0	0	0				
	52.92	53.184	0	0	0	0
0	0	0				
	60.75	61.014	0	0	0	0

0	0	0				
	69.12	69.384	0	0	0	0
0	0	0				
	78.03	78.294	0	0	0	0
0	0	0				
	87.48	87.744	0	0	0	0
0	0	0				
	97.47	97.734	0	0	0	0
0	0	0				
	108	108	108	108	108	108
108	108	108				

Columns 10 through 16

[illegible]

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
108	108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
0	0.27	0.534	0.6689333333333333		0	0
0	0	0	0			
0	1.08	1.344	1.608	0	0	0
0	0	0				

0	2.43 0	2.694 0	2.958	0	0	0
0	4.32 0	4.584 0	4.848	0	0	0
0	6.75 0	7.014 0	7.278	0	0	0
0	9.72 0	9.984 0	10.248	0	0	0
0	13.23 0	13.494 0	13.758	0	0	0
0	17.28 0	17.544 0	17.808	0	0	0
0	21.87 0	22.134 0	22.398	0	0	0
0	27 0	27.264 0	27.528	0	0	0
0	32.67 0	32.934 0	33.198	0	0	0
0	38.88 0	39.144 0	39.408	0	0	0
0	45.63 0	45.894 0	46.158	0	0	0
0	52.92 0	53.184 0	53.448	0	0	0
0	60.75 0	61.014 0	61.278	0	0	0
0	69.12 0	69.384 0	69.648	0	0	0
0	78.03 0	78.294 0	78.558	0	0	0
0	87.48 0	87.744 0	88.008	0	0	0
0	97.47 0	97.734 0	97.86893333333333 0	0	0	
	108	108	108	108	108	108

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[illegible]



0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
108	108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0.27	0.534	0.6689333333333333	0.800998518518519		0
0	1.08	1.344	1.608	1.80890074074074		0
0	2.43	2.694	2.958	3.222	0	0
0	4.32	4.584	4.848	5.112	0	0
0	6.75	7.014	7.278	7.542	0	0
0	9.72	9.984	10.248	10.512	0	0
0	13.23	13.494	13.758	14.022	0	0

0	17.28 0	17.544 0	17.808	18.072	0	0
0	21.87 0	22.134 0	22.398	22.662	0	0
0	27 0	27.264 0	27.528	27.792	0	0
0	32.67 0	32.934 0	33.198	33.462	0	0
0	38.88 0	39.144 0	39.408	39.672	0	0
0	45.63 0	45.894 0	46.158	46.422	0	0
0	52.92 0	53.184 0	53.448	53.712	0	0
0	60.75 0	61.014 0	61.278	61.542	0	0
0	69.12 0	69.384 0	69.648	69.912	0	0
0	78.03 0	78.294 0	78.558	78.822	0	0
0	87.48 0	87.744 0	88.008 0	88.2089007407407	0	
0	97.47 0	97.734 0	97.86893333333333 0	98.0009985185185		0
108	108 108	108 108	108	108	108	108

Columns 10 through 16

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	108	108	108	108	108	108
108						

T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		0	0	0	0	
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
0	0	0	0			
	2.43	2.694	2.958	3.222	3.45515147325103	
0	0	0	0			
	4.32	4.584	4.848	5.112	5.376	0
0	0	0				
	6.75	7.014	7.278	7.542	7.806	0
0	0	0				
	9.72	9.984	10.248	10.512	10.776	0
0	0	0				
	13.23	13.494	13.758	14.022	14.286	0
0	0	0				
	17.28	17.544	17.808	18.072	18.336	0
0	0	0				
	21.87	22.134	22.398	22.662	22.926	0
0	0	0				
	27	27.264	27.528	27.792	28.056	0
0	0	0				
	32.67	32.934	33.198	33.462	33.726	0
0	0	0				
	38.88	39.144	39.408	39.672	39.936	0
0	0	0				

0	45.630	45.8940	46.1580	46.4220	46.6860	0
0	52.920	53.1840	53.4480	53.7120	53.9760	0
0	60.750	61.0140	61.2780	61.5420	61.8060	0
0	69.120	69.3840	69.6480	69.9120	70.1760	0
0	78.030	78.2940	78.5580	78.8220	79.055151473251	0
0	87.480	87.7440	88.0080	88.2089007407407	88.4069970699588	0
98.1021514403292	97.470	97.7340	97.8689333333333	98.0009985185185		
108	108	108	108	108	108	108

Columns 10 through 16

[illegible]

[illegible]

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	0	0	0	
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		0	0	0		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		0	0	0		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		0	0	0		
	6.75	7.014	7.278	7.542	7.806	8.07
0	0	0				
	9.72	9.984	10.248	10.512	10.776	
11.04	0	0	0			
	13.23	13.494	13.758	14.022	14.286	
14.55	0	0	0			
	17.28	17.544	17.808	18.072	18.336	
18.6	0	0	0			
	21.87	22.134	22.398	22.662	22.926	
23.19	0	0	0			
	27	27.264	27.528	27.792	28.056	
28.32	0	0	0			
	32.67	32.934	33.198	33.462	33.726	
33.99	0	0	0			
	38.88	39.144	39.408	39.672	39.936	
40.2	0	0	0			
	45.63	45.894	46.158	46.422	46.686	
46.95	0	0	0			
	52.92	53.184	53.448	53.712	53.976	
54.24	0	0	0			
	60.75	61.014	61.278	61.542	61.806	
62.07	0	0	0			
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338		0	0	0		
	78.03	78.294	78.558	78.822	79.055151473251	

79.2862463780521	0	0	0		
87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	0	0	0		
97.47	97.734	97.86893333333333	98.0009985185185		
98.1021514403292	98.2012463773205		0	0	0
108	108	108	108	108	108
108	108	108			

Columns 10 through 16

[illegible]



0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
108	108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	0	0	
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	0	0		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	0	0		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	0	0		

	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		0	0			
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	0	0			
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	0	0			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	0	0			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	0	0			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	0	0			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	0	0			
	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	0	0			
	45.63	45.894	46.158	46.422	46.686	
46.95	47.214	0	0			
	52.92	53.184	53.448	53.712	53.976	
54.24	54.504	0	0			
	60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261		0	0		
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151		0	0		
	78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594		0	0		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068		0	0		
	97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167		0	0	
	108	108	108	108	108	108
108	108	108				

Columns 10 through 16

[illegible]

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
108	108	108	108	108	108	108

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Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
0						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451		0	
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	4.1015531975916		0	
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	6.10558120099831		0	
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		8.58243440043986	0			
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387		0		
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	0			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	0			
	21.87	22.134	22.398	22.662	22.926	

23.19	23.454	23.718	0		
	27	27.264	27.528	27.792	28.056
28.32	28.584	28.848	0		
	32.67	32.934	33.198	33.462	33.726
33.99	34.254	34.518	0		
	38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	0		
	45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	0		
	52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	0		
	60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	0		
	69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983			0
	78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916			0
	87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245			0
	97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167		98.3681187971514	
0					
	108	108	108	108	108
108	108	108			

Columns 10 through 16

0	0	0	0	0	0	0
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T =

Columns 1 through 9

	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
1.24181332312201						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451	2.63155022848378		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	4.1015531975916	4.29195156361986		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	6.10558120099831	6.33674018572646		
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		8.58243440043986	8.82937595975232			
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387	11.8243100476559			
	13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	15.3402377192545			
	17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	19.392			
	21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	23.982			
	27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	29.112			
	32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	34.782			
	38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	40.992			

	45.63	45.894	46.158	46.422	46.686	
46.95	47.214	47.478	47.740	47.999	48.259	48.519
	52.92	53.184	53.448	53.712	53.976	
54.24	54.504	54.764	55.024	55.284	55.544	55.804
	60.75	61.014	61.278	61.542	61.806	
62.07	62.326	62.582	62.838	63.094	63.350	63.606
	69.12	69.384	69.648	69.912	70.176	
70.424	70.672	70.928	71.184	71.440	71.696	71.952
	78.03	78.294	78.558	78.822	79.086	
79.286	79.542	79.798	80.054	80.310	80.566	80.822
	87.48	87.744	88.008	88.272	88.536	
88.574	88.830	89.086	89.342	89.598	89.854	90.110
	97.47	97.734	97.998	98.262	98.526	
98.102	98.358	98.614	98.870	99.126	99.382	99.638
98.441	98.697	98.953	99.209	99.465	99.721	100.000
	108	108	108	108	108	108
108	108	108	108	108	108	108

Columns 10 through 16

[illegible]





0	0	0	0	0	0	0
0.27	0.534	0.6689333333333333	0.800998518518519			
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986			
4.32	4.584	4.848	5.112	5.376		
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646			
6.75	7.014	7.278	7.542	7.806	8.07	
8.32662682126099	8.58243440043986	8.82937595975232				
9.72	9.984	10.248	10.512	10.776		
11.04	11.304	11.5643953348387	11.8243100476559			
13.23	13.494	13.758	14.022	14.286		
14.55	14.814	15.078	15.3402377192545			
17.28	17.544	17.808	18.072	18.336		
18.6	18.864	19.128	19.392			
21.87	22.134	22.398	22.662	22.926		
23.19	23.454	23.718	23.982			
27	27.264	27.528	27.792	28.056		
28.32	28.584	28.848	29.112			
32.67	32.934	33.198	33.462	33.726		
33.99	34.254	34.518	34.782			
38.88	39.144	39.408	39.672	39.936		
40.2	40.464	40.728	40.992			
45.63	45.894	46.158	46.422	46.686		
46.95	47.214	47.478	47.7402377192545			
52.92	53.184	53.448	53.712	53.976		
54.24	54.504	54.7643953348387	55.0243100476559			
60.75	61.014	61.278	61.542	61.806		
62.07	62.326626821261	62.5824344004399	62.8293759597523			
69.12	69.384	69.648	69.912	70.176		
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265			

78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198	
87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838	
97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514	
98.441813323122				
108	108	108	108	108
108	108	108		

Columns 10 through 16

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0	4.47987423724989	0	0	0	0	0
0	6.55568768222032	0	0	0	0	0
0	9.07494402431476	0	0	0	0	0
0	12.0790180219068	0	0	0	0	0
0	15.6022013059485	0	0	0	0	0
0	19.6551384405244	0	0	0	0	0
0	24.246	0	0	0	0	0
0	29.376	0	0	0	0	0

0	35.046	0	0	0	0	0
0	41.2551384405244	0	0	0	0	0
0	48.0022013059485	0	0	0	0	0
0	55.2790180219068	0	0	0	0	0
0	63.0749440243148	0	0	0	0	0
0	71.3556876822203	0	0	0	0	0
0	80.0798742372499	0	0	0	0	0
0	89.1638750608179	0	0	0	0	0
0	98.5141315188837	0	0	0	0	0
108	108	108	108	108	108	108

T =

Columns 1 through 9

0	0	0	0	0	0	0
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	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
1.24181332312201						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451	2.63155022848378		
	2.43	2.694	2.958	3.222	3.45515147325103	

3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986		
4.32	4.584	4.848	5.112	5.376	
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646		
6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099	8.58243440043986	8.82937595975232			
9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387	11.8243100476559		
13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	15.3402377192545		
17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	19.392		
21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	23.982		
27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	29.112		
32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	34.782		
38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	40.992		
45.63	45.894	46.158	46.422	46.686	
46.95	47.214	47.478	47.7402377192545		
52.92	53.184	53.448	53.712	53.976	
54.24	54.504	54.7643953348387	55.0243100476559		
60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261	62.5824344004399	62.8293759597523		
69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265		
78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
108	108	108	108	108	108

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Columns 10 through 16

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0	4.47987423724989	4.65578343520201	0	0	0	
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0	0					
0	9.07494402431476	9.31196598922469	0	0	0	
0	0					
0	12.0790180219068	12.3328047841711	0	0	0	
0	0					
0	15.6022013059485	15.8611920773208	0	0	0	
0	0					
0	19.6551384405244	19.9181237149198	0	0	0	
0	0					
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0	35.046	35.3095787931453	0	0	0	0
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0	0					

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0	0				
0	80.0798742372499	80.255783435202	0	0	0
0	0				
0	89.1638750608179	89.2940444821279	0	0	0
0	0				
0	98.5141315188837	98.5804307301528	0	0	0
0	0				
108	108	108	108	108	108

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Columns 1 through 9

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0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218		1.00124637732053	1.08550352231672	1.16811879715138		
1.24181332312201						
	1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054		2.33999283406798	2.48697639742451	2.63155022848378		
	2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213		3.89513034359396	4.1015531975916	4.29195156361986		
	4.32	4.584	4.848	5.112	5.376	
5.62491849803384		5.87249641811512	6.10558120099831	6.33674018572646		
	6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099		8.58243440043986	8.82937595975232			
	9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387	11.8243100476559			
	13.23	13.494	13.758	14.022	14.286	

14.55	14.814	15.078	15.3402377192545		
	17.28	17.544	17.808	18.072	18.336
18.6	18.864	19.128	19.392		
	21.87	22.134	22.398	22.662	22.926
23.19	23.454	23.718	23.982		
	27	27.264	27.528	27.792	28.056
28.32	28.584	28.848	29.112		
	32.67	32.934	33.198	33.462	33.726
33.99	34.254	34.518	34.782		
	38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	40.992		
	45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545		
	52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559		
	60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523		
	69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265		
	78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
	97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
	108	108	108	108	108
108	108	108			

Columns 10 through 16

0	0	0	0	0	0	0
1.31413151888367	1.38043073015283	1.44554242971038				0



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	2.76387506081789	2.89404448212792	3.01535013599854	0	
0	0	0			
	4.47987423724989	4.65578343520201	4.82931923925771	0	
0	0	0			
	6.55568768222032	6.77248198748095	6.97917709610819	0	
0	0	0			
	9.07494402431476	9.31196598922469	9.54729499923488	0	
0	0	0			
	12.0790180219068	12.3328047841711	12.5809396055149	0	
0	0	0			
	15.6022013059485	15.8611920773208	16.1195915346071	0	
0	0	0			
	19.6551384405244	19.9181237149198	20.1794462858927	0	
0	0	0			
	24.246	24.5095787931453	24.7730733449196	0	0
0	0				
	29.376	29.64	29.9035881532976	0	0
0	0				
	35.046	35.3095787931453	35.5730733449196	0	0
0	0				
	41.2551384405244	41.5181237149198	41.7794462858927	0	
0	0	0			
	48.0022013059485	48.2611920773208	48.5195915346071	0	
0	0	0			
	55.2790180219068	55.5328047841711	55.7809396055149	0	
0	0	0			
	63.0749440243148	63.3119659892247	63.5472949992349	0	
0	0	0			
	71.3556876822203	71.572481987481	71.7791770961082	0	0
0	0				
	80.0798742372499	80.255783435202	80.4293192392577	0	0
0	0				
	89.1638750608179	89.2940444821279	89.4153501359985	0	
0	0	0			

0	98.5141315188837 0	98.5804307301528 0		98.6455424297104 0		
108	108	108	108	108	108	108

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Columns 1 through 9

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0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986			
4.32	4.584	4.848	5.112	5.376		
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646			
6.75	7.014	7.278	7.542	7.806	8.07	
8.32662682126099	8.58243440043986	8.82937595975232				
9.72	9.984	10.248	10.512	10.776		
11.04	11.304	11.5643953348387	11.8243100476559			
13.23	13.494	13.758	14.022	14.286		
14.55	14.814	15.078	15.3402377192545			
17.28	17.544	17.808	18.072	18.336		
18.6	18.864	19.128	19.392			
21.87	22.134	22.398	22.662	22.926		
23.19	23.454	23.718	23.982			
27	27.264	27.528	27.792	28.056		
28.32	28.584	28.848	29.112			
32.67	32.934	33.198	33.462	33.726		

33.99	34.254	34.518	34.782		
	38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	40.992		
	45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545		
	52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559		
	60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523		
	69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265		
	78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
	97.47	97.734	97.8689333333333	98.0009985185185	
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
	108	108	108	108	108
108	108	108			

Columns 10 through 16

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	1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396		
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	2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326		
0	0	0				
	4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124		
0	0	0				
	6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878		
0	0	0				
	9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763		

0	0	0			
	12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453	
0	0	0			
	15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235	
0	0	0			
	19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344	
0	0	0			
	24.246	24.5095787931453	24.7730733449196	25.0355518001579	
0	0	0			
	29.376	29.64	29.9035881532976	30.1670847851058	0
0	0				
	35.046	35.3095787931453	35.5730733449196	35.8355518001579	
0	0	0			
	41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344	
0	0	0			
	48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235	
0	0	0			
	55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453	
0	0	0			
	63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876	
0	0	0			
	71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988	
0	0	0			
	80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912	
0	0	0			
	89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733	
0	0	0			
	98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704	
0	0	0			
	108	108	108	108	108
108					

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Columns 1 through 9

0	0	0	0	0	0	0
0.27	0.534	0.6689333333333333	0.800998518518519			
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138			
1.24181332312201						
1.08	1.344	1.608	1.80890074074074	2.00699706995885		
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378			
2.43	2.694	2.958	3.222	3.45515147325103		
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986			
4.32	4.584	4.848	5.112	5.376		
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646			
6.75	7.014	7.278	7.542	7.806	8.07	
8.32662682126099	8.58243440043986	8.82937595975232				
9.72	9.984	10.248	10.512	10.776		
11.04	11.304	11.5643953348387	11.8243100476559			
13.23	13.494	13.758	14.022	14.286		
14.55	14.814	15.078	15.3402377192545			
17.28	17.544	17.808	18.072	18.336		
18.6	18.864	19.128	19.392			
21.87	22.134	22.398	22.662	22.926		
23.19	23.454	23.718	23.982			
27	27.264	27.528	27.792	28.056		
28.32	28.584	28.848	29.112			
32.67	32.934	33.198	33.462	33.726		
33.99	34.254	34.518	34.782			
38.88	39.144	39.408	39.672	39.936		
40.2	40.464	40.728	40.992			
45.63	45.894	46.158	46.422	46.686		
46.95	47.214	47.478	47.7402377192545			
52.92	53.184	53.448	53.712	53.976		
54.24	54.504	54.7643953348387	55.0243100476559			

	60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261	62.5824344004399		62.8293759597523		
	69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151		70.9055812009983	71.1367401857265		
	78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594		79.7015531975916	79.8919515636198		
	87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068		88.8869763974245	89.0315502284838		
	97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205		98.2855035223167	98.3681187971514		
98.441813323122						
	108	108	108	108	108	108
108	108	108				

Columns 10 through 16

	0	0	0	0	0	0
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	1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396		
1.56600197342924	0	0				
	2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326		
3.24735304184373	0	0				
	4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124		
5.15550758353725	0	0				
	6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878		
7.37975203334075	0	0				
	9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763		
10.0006157055213	0	0				
	12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453		
13.0691591121587	0	0				
	15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235		
16.6283454097911	0	0				
	19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344		
20.6990973535775	0	0				

24.246	24.5095787931453	24.7730733449196	25.0355518001579
25.2977834016012	0	0	
29.376	29.64	29.9035881532976	30.1670847851058
30.4295858664901	0	0	
35.046	35.3095787931453	35.5730733449196	35.8355518001579
36.0977834016012	0	0	
41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344
42.2990973535775	0	0	
48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235
49.0283454097911	0	0	
55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453
56.2691591121587	0	0	
63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876
64.0006157055213	0	0	
71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988
72.1797520333407	0	0	
80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912
80.7555075835373	0	0	
89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733
89.6473530418437	0	0	
98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704
98.7660019734292	0	0	
108	108	108	108
108			

T =

Columns 1 through 9

0	0	0	0	0	0	0
0	0	0				
	0.27	0.534	0.6689333333333333	0.800998518518519		

0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138	
1.24181332312201				
1.08	1.344	1.608	1.80890074074074	2.00699706995885
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378	
2.43	2.694	2.958	3.222	3.45515147325103
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986	
4.32	4.584	4.848	5.112	5.376
5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646	
6.75	7.014	7.278	7.542	7.806
8.32662682126099	8.58243440043986	8.82937595975232		8.07
9.72	9.984	10.248	10.512	10.776
11.04	11.304	11.5643953348387	11.8243100476559	
13.23	13.494	13.758	14.022	14.286
14.55	14.814	15.078	15.3402377192545	
17.28	17.544	17.808	18.072	18.336
18.6	18.864	19.128	19.392	
21.87	22.134	22.398	22.662	22.926
23.19	23.454	23.718	23.982	
27	27.264	27.528	27.792	28.056
28.32	28.584	28.848	29.112	
32.67	32.934	33.198	33.462	33.726
33.99	34.254	34.518	34.782	
38.88	39.144	39.408	39.672	39.936
40.2	40.464	40.728	40.992	
45.63	45.894	46.158	46.422	46.686
46.95	47.214	47.478	47.7402377192545	
52.92	53.184	53.448	53.712	53.976
54.24	54.504	54.7643953348387	55.0243100476559	
60.75	61.014	61.278	61.542	61.806
62.07	62.326626821261	62.5824344004399	62.8293759597523	
69.12	69.384	69.648	69.912	70.176
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265	
78.03	78.294	78.558	78.822	79.055151473251
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198	
87.48	87.744	88.008	88.2089007407407	88.4069970699588



88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838
97.47	97.734	97.8689333333333	98.0009985185185
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514
98.441813323122			
108	108	108	108
108	108	108	108

Columns 10 through 16

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1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396		
1.56600197342924	1.62239486431092	0			
2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326		
3.24735304184373	3.35823473989125	0			
4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124		
5.15550758353725	5.31004042750213	0			
6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878		
7.37975203334075	7.57365476428063	0			
9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763		
10.0006157055213	10.219481353478	0			
12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453		
13.0691591121587	13.3090289699785	0			
15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235		
16.6283454097911	16.8784441701331	0			
19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344		
20.6990973535775	20.9571984712046	0			
24.246	24.5095787931453	24.7730733449196	25.0355518001579		
25.2977834016012	25.5584180942909	0			
29.376	29.64	29.9035881532976	30.1670847851058		
30.4295858664901	30.6918234563765	0			
35.046	35.3095787931453	35.5730733449196	35.8355518001579		
36.0977834016012	36.3584180942909	0			

41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344
42.2990973535775	42.5571984712046	0	
48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235
49.0283454097911	49.2784441701331	0	
55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453
56.2691591121587	56.5090289699785	0	
63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876
64.0006157055213	64.219481353478	0	
71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988
72.1797520333407	72.3736547642806	0	
80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912
80.7555075835373	80.9100404275021	0	
89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733
89.6473530418437	89.7582347398913	0	
98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704
98.7660019734292	98.8223948643109	0	
108	108	108	108
108			108

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Columns 1 through 9

0	0	0	0	0	0
0	0	0			
0.27	0.534	0.6689333333333333	0.800998518518519		
0.902151440329218	1.00124637732053	1.08550352231672	1.16811879715138		
1.24181332312201					
1.08	1.344	1.608	1.80890074074074	2.00699706995885	
2.17483691486054	2.33999283406798	2.48697639742451	2.63155022848378		
2.43	2.694	2.958	3.222	3.45515147325103	
3.68624637805213	3.89513034359396	4.1015531975916	4.29195156361986		
4.32	4.584	4.848	5.112	5.376	

5.62491849803384	5.87249641811512	6.10558120099831	6.33674018572646		
6.75	7.014	7.278	7.542	7.806	8.07
8.32662682126099	8.58243440043986	8.82937595975232			
9.72	9.984	10.248	10.512	10.776	
11.04	11.304	11.5643953348387	11.8243100476559		
13.23	13.494	13.758	14.022	14.286	
14.55	14.814	15.078	15.3402377192545		
17.28	17.544	17.808	18.072	18.336	
18.6	18.864	19.128	19.392		
21.87	22.134	22.398	22.662	22.926	
23.19	23.454	23.718	23.982		
27	27.264	27.528	27.792	28.056	
28.32	28.584	28.848	29.112		
32.67	32.934	33.198	33.462	33.726	
33.99	34.254	34.518	34.782		
38.88	39.144	39.408	39.672	39.936	
40.2	40.464	40.728	40.992		
45.63	45.894	46.158	46.422	46.686	
46.95	47.214	47.478	47.7402377192545		
52.92	53.184	53.448	53.712	53.976	
54.24	54.504	54.7643953348387	55.0243100476559		
60.75	61.014	61.278	61.542	61.806	
62.07	62.326626821261	62.5824344004399	62.8293759597523		
69.12	69.384	69.648	69.912	70.176	
70.4249184980338	70.6724964181151	70.9055812009983	71.1367401857265		
78.03	78.294	78.558	78.822	79.055151473251	
79.2862463780521	79.495130343594	79.7015531975916	79.8919515636198		
87.48	87.744	88.008	88.2089007407407	88.4069970699588	
88.5748369148605	88.739992834068	88.8869763974245	89.0315502284838		
97.47	97.734	97.8689333333333	98.0009985185185		
98.1021514403292	98.2012463773205	98.2855035223167	98.3681187971514		
98.441813323122					
108	108	108	108	108	108
108	108	108			

Columns 10 through 16

0	0	0	0	0	0	0
1.31413151888367	1.38043073015283	1.44554242971038	1.50629434270396			
1.56600197342924	1.62239486431092	1.67785686982041				
2.76387506081789	2.89404448212792	3.01535013599854	3.13471793007326			
3.24735304184373	3.35823473989125	3.46381802577285				
4.47987423724989	4.65578343520201	4.82931923925771	4.99353151879124			
5.15550758353725	5.31004042750213	5.46248021153963				
6.55568768222032	6.77248198748095	6.97917709610819	7.18365978539878			
7.37975203334075	7.57365476428063	7.76051408768541				
9.07494402431476	9.31196598922469	9.54729499923488	9.77488583188763			
10.0006157055213	10.219481353478	10.4364116334929				
12.0790180219068	12.3328047841711	12.5809396055149	12.8278320744453			
13.0691591121587	13.3090289699785	13.5436308997649				
15.6022013059485	15.8611920773208	16.1195915346071	16.374401803235			
16.6283454097911	16.8784441701331	17.127454397248				
19.6551384405244	19.9181237149198	20.1794462858927	20.440401636344			
20.6990973535775	20.9571984712046	21.2126259619674				
24.246	24.5095787931453	24.7730733449196	25.0355518001579			
25.2977834016012	25.5584180942909	25.8185977889128				
29.376	29.64	29.9035881532976	30.1670847851058			
30.4295858664901	30.6918234563765	30.9524937690039				
35.046	35.3095787931453	35.5730733449196	35.8355518001579			
36.0977834016012	36.3584180942909	36.6185977889128				
41.2551384405244	41.5181237149198	41.7794462858927	42.040401636344			
42.2990973535775	42.5571984712046	42.8126259619674				
48.0022013059485	48.2611920773208	48.5195915346071	48.774401803235			
49.0283454097911	49.2784441701331	49.527454397248				
55.2790180219068	55.5328047841711	55.7809396055149	56.0278320744453			
56.2691591121587	56.5090289699785	56.743630899765				
63.0749440243148	63.3119659892247	63.5472949992349	63.7748858318876			
64.0006157055213	64.219481353478	64.4364116334929				

71.3556876822203	71.572481987481	71.7791770961082	71.9836597853988
72.1797520333407	72.3736547642806	72.5605140876854	
80.0798742372499	80.255783435202	80.4293192392577	80.5935315187912
80.7555075835373	80.9100404275021	81.0624802115397	
89.1638750608179	89.2940444821279	89.4153501359985	89.5347179300733
89.6473530418437	89.7582347398913	89.8638180257728	
98.5141315188837	98.5804307301528	98.6455424297104	98.706294342704
98.7660019734292	98.8223948643109	98.8778568698204	
108	108	108	108
108			

z =

Columns 1 through 9

	0	0.27	1.08	2.43	4.32	6.75
9.72	13.23	17.28				
	0	0.534	1.344	2.694	4.584	7.014
9.984	13.494	17.544				
	0	0.6689333333333333	1.608	2.958	4.848	
7.278	10.248	13.758	17.808			
	0	0.800998518518519	1.80890074074074	3.222	5.112	
7.542	10.512	14.022	18.072			
	0	0.902151440329218	2.00699706995885	3.45515147325103		
5.376	7.806	10.776	14.286	18.336		
	0	1.00124637732053	2.17483691486054	3.68624637805213		
5.62491849803384	8.07	11.04	14.55	18.6		
	0	1.08550352231672	2.33999283406798	3.89513034359396		
5.87249641811512	8.32662682126099	11.304	14.814	18.864		
	0	1.16811879715138	2.48697639742451	4.1015531975916		
6.10558120099831	8.58243440043986	11.5643953348387	15.078			
19.128						

0	1.24181332312201	2.63155022848378	4.29195156361986
6.33674018572646	8.82937595975232	11.8243100476559	15.3402377192545
19.392			

0	1.31413151888367	2.76387506081789	4.47987423724989
6.55568768222032	9.07494402431476	12.0790180219068	15.6022013059485
19.6551384405244			

0	1.38043073015283	2.89404448212792	4.65578343520201
6.77248198748095	9.31196598922469	12.3328047841711	15.8611920773208
19.9181237149198			

0	1.44554242971038	3.01535013599854	4.82931923925771
6.97917709610819	9.54729499923488	12.5809396055149	16.1195915346071
20.1794462858927			

0	1.50629434270396	3.13471793007326	4.99353151879124
7.18365978539878	9.77488583188763	12.8278320744453	16.374401803235
20.440401636344			

0	1.56600197342924	3.24735304184373	5.15550758353725
7.37975203334075	10.0006157055213	13.0691591121587	16.6283454097911
20.6990973535775			

0	1.62239486431092	3.35823473989125	5.31004042750213
7.57365476428063	10.219481353478	13.3090289699785	16.8784441701331
20.9571984712046			

0	1.67785686982041	3.46381802577285	5.46248021153963
7.76051408768541	10.4364116334929	13.5436308997649	17.127454397248
21.2126259619674			

Columns 10 through 18

	21.87	27	32.67	38.88	45.63	52.92
60.75	69.12	78.03				
	22.134	27.264	32.934	39.144	45.894	
53.184	61.014	69.384	78.294			
	22.398	27.528	33.198	39.408	46.158	
53.448	61.278	69.648	78.558			
	22.662	27.792	33.462	39.672	46.422	
53.712	61.542	69.912	78.822			

	22.926	28.056	33.726	39.936	46.686	
53.976	61.806	70.176	79.055151473251			
	23.19	28.32	33.99	40.2	46.95	54.24
62.07	70.4249184980338	79.2862463780521				
	23.454	28.584	34.254	40.464	47.214	
54.504	62.326626821261	70.6724964181151	79.495130343594			
	23.718	28.848	34.518	40.728	47.478	
54.7643953348387	62.5824344004399	70.9055812009983	79.7015531975916			
	23.982	29.112	34.782	40.992	47.7402377192545	
55.0243100476559	62.8293759597523	71.1367401857265	79.8919515636198			
	24.246	29.376	35.046	41.2551384405244	48.0022013059485	
55.2790180219068	63.0749440243148	71.3556876822203	80.0798742372499			
	24.5095787931453	29.64	35.3095787931453	41.5181237149198		
48.2611920773208	55.5328047841711	63.3119659892247	71.572481987481			
80.255783435202						
	24.7730733449196	29.9035881532976	35.5730733449196	41.7794462858927		
48.5195915346071	55.7809396055149	63.5472949992349	71.7791770961082			
80.4293192392577						
	25.0355518001579	30.1670847851058	35.8355518001579	42.040401636344		
48.774401803235	56.0278320744453	63.7748858318876	71.9836597853988			
80.5935315187912						
	25.2977834016012	30.4295858664901	36.0977834016012	42.2990973535775		
49.0283454097911	56.2691591121587	64.0006157055213	72.1797520333407			
80.7555075835373						
	25.5584180942909	30.6918234563765	36.3584180942909	42.5571984712046		
49.2784441701331	56.5090289699785	64.219481353478	72.3736547642806			
80.9100404275021						
	25.8185977889128	30.9524937690039	36.6185977889128	42.8126259619674		
49.527454397248	56.743630899765	64.4364116334929	72.5605140876854			
81.0624802115397						

Columns 19 through 21

87.48	97.47	108
87.744	97.734	108

88.008	97.86893333333333	108
88.2089007407407	98.0009985185185	108
88.4069970699588	98.1021514403292	108
88.5748369148605	98.2012463773205	108
88.739992834068	98.2855035223167	108
88.8869763974245	98.3681187971514	108
89.0315502284838	98.441813323122	108
89.1638750608179	98.5141315188837	108
89.2940444821279	98.5804307301528	108
89.4153501359985	98.6455424297104	108
89.5347179300733	98.706294342704	108
89.6473530418437	98.7660019734292	108
89.7582347398913	98.8223948643109	108
89.8638180257728	98.8778568698204	108

ans =

Columns 1 through 9

	0	0.27	1.08	2.43	4.32	6.75
9.72	13.23	17.28				
	0	0.534	1.344	2.694	4.584	7.014
9.984	13.494	17.544				
	0	0.6689333333333333	1.608	2.958	4.848	
7.278	10.248	13.758	17.808			
	0	0.800998518518519	1.80890074074074	3.222	5.112	
7.542	10.512	14.022	18.072			
	0	0.902151440329218	2.00699706995885	3.45515147325103		
5.376	7.806	10.776	14.286	18.336		



0	1.00124637732053	2.17483691486054	3.68624637805213		
5.62491849803384	8.07	11.04	14.55	18.6	
0	1.08550352231672	2.33999283406798	3.89513034359396		
5.87249641811512	8.32662682126099	11.304	14.814	18.864	
0	1.16811879715138	2.48697639742451	4.1015531975916		
6.10558120099831	8.58243440043986	11.5643953348387	15.078		
19.128					
0	1.24181332312201	2.63155022848378	4.29195156361986		
6.33674018572646	8.82937595975232	11.8243100476559	15.3402377192545		
19.392					
0	1.31413151888367	2.76387506081789	4.47987423724989		
6.55568768222032	9.07494402431476	12.0790180219068	15.6022013059485		
19.6551384405244					
0	1.38043073015283	2.89404448212792	4.65578343520201		
6.77248198748095	9.31196598922469	12.3328047841711	15.8611920773208		
19.9181237149198					
0	1.44554242971038	3.01535013599854	4.82931923925771		
6.97917709610819	9.54729499923488	12.5809396055149	16.1195915346071		
20.1794462858927					
0	1.50629434270396	3.13471793007326	4.99353151879124		
7.18365978539878	9.77488583188763	12.8278320744453	16.374401803235		
20.440401636344					
0	1.56600197342924	3.24735304184373	5.15550758353725		
7.37975203334075	10.0006157055213	13.0691591121587	16.6283454097911		
20.6990973535775					
0	1.62239486431092	3.35823473989125	5.31004042750213		
7.57365476428063	10.219481353478	13.3090289699785	16.8784441701331		
20.9571984712046					
0	1.67785686982041	3.46381802577285	5.46248021153963		
7.76051408768541	10.4364116334929	13.5436308997649	17.127454397248		
21.2126259619674					

Columns 10 through 18

21.87	27	32.67	38.88	45.63	52.92
60.75	69.12	78.03			

	22.134	27.264	32.934	39.144	45.894	
53.184	61.014	69.384	78.294			
	22.398	27.528	33.198	39.408	46.158	
53.448	61.278	69.648	78.558			
	22.662	27.792	33.462	39.672	46.422	
53.712	61.542	69.912	78.822			
	22.926	28.056	33.726	39.936	46.686	
53.976	61.806	70.176	79.055151473251			
	23.19	28.32	33.99	40.2	46.95	54.24
62.07	70.4249184980338	79.2862463780521				
	23.454	28.584	34.254	40.464	47.214	
54.504	62.326626821261	70.6724964181151	79.495130343594			
	23.718	28.848	34.518	40.728	47.478	
54.7643953348387	62.5824344004399	70.9055812009983	79.7015531975916			
	23.982	29.112	34.782	40.992	47.7402377192545	
55.0243100476559	62.8293759597523	71.1367401857265	79.8919515636198			
	24.246	29.376	35.046	41.2551384405244	48.0022013059485	
55.2790180219068	63.0749440243148	71.3556876822203	80.0798742372499			
	24.5095787931453	29.64	35.3095787931453	41.5181237149198		
48.2611920773208	55.5328047841711	63.3119659892247	71.572481987481			
80.255783435202						
	24.7730733449196	29.9035881532976	35.5730733449196	41.7794462858927		
48.5195915346071	55.7809396055149	63.5472949992349	71.7791770961082			
80.4293192392577						
	25.0355518001579	30.1670847851058	35.8355518001579	42.040401636344		
48.774401803235	56.0278320744453	63.7748858318876	71.9836597853988			
80.5935315187912						
	25.2977834016012	30.4295858664901	36.0977834016012	42.2990973535775		
49.0283454097911	56.2691591121587	64.0006157055213	72.1797520333407			
80.7555075835373						
	25.5584180942909	30.6918234563765	36.3584180942909	42.5571984712046		
49.2784441701331	56.5090289699785	64.219481353478	72.3736547642806			
80.9100404275021						
	25.8185977889128	30.9524937690039	36.6185977889128	42.8126259619674		
49.527454397248	56.743630899765	64.4364116334929	72.5605140876854			
81.0624802115397						

Columns 19 through 21

87.48	97.47	108
87.744	97.734	108
88.008	97.86893333333333	108
88.2089007407407	98.0009985185185	108
88.4069970699588	98.1021514403292	108
88.5748369148605	98.2012463773205	108
88.739992834068	98.2855035223167	108
88.8869763974245	98.3681187971514	108
89.0315502284838	98.441813323122	108
89.1638750608179	98.5141315188837	108
89.2940444821279	98.5804307301528	108
89.4153501359985	98.6455424297104	108
89.5347179300733	98.706294342704	108
89.6473530418437	98.7660019734292	108
89.7582347398913	98.8223948643109	108
89.8638180257728	98.8778568698204	108

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