

Auxiliary Table for Wilcoxon's
two sample test.

Report R132/S86
of the
Mathematical Centre, Amsterdam.

Introduction: Wilcoxon [1] has given a test for the hypothesis that two samples:

$$x_1, x_2, \dots, x_n$$

$$y_1, y_2, \dots, y_m$$

are drawn from the same population.

This test is based on the statistic U , which is calculated from the observations as follows:

We determine the number of observations in the second sample, which is larger than the first observation x_1 in the first sample. Let u_1 be this number. Next we determine the number of observations in the second sample which is larger than the second observation x_2 in the first sample. Let u_2 be this number. In the same way we determine the numbers $u_3, u_4, \dots, u_n$ with respect to the observations $x_3, x_4, \dots, x_n$. The statistic U is now defined as:

$$U = u_1 + u_2 + \dots + u_n.$$

If the hypothesis tested is true U is, for large values of n and m (e.g. both > 10), distributed approximately normal with mean:

$$\mu = \frac{1}{2} mn$$

and variance:

$$\sigma^2 = \frac{1}{12} mn(m+n+1) - \frac{mn \sum_{i=1}^k (t_i^3 - t_i)}{12(m+n)(m+n-1)} \quad , \quad 1)$$

where k is the number of ties in the pooled samples and t_i the number of observations in the i -th tie.

When all observations are different $t_i = 1$ for every i ; consequently:

$$\sigma^2 = \frac{1}{12} mn(m+n+1).$$

Table I gives for:

$$m=1(1)100 \text{ and } n=11(1)100 \quad (n \geq m)$$

the values of μ and those of σ in the case of $t_i=1$.

In table II we find for $t=1(1)100$ the values of $t_i^3 - t_i$.

Remarks: the general formula for σ^2 was derived by J.Hemelrijk [5] and simplified to its present form by T.J.Terpstra.

¹⁾ The last term, which is a correction for ties, is usually small.

Litterature:

- [1] F.Wilcoxon Individual comparisons by ranking methods, Biometrics 1 (1945),pg 80-83.
- [2] H.B.Mann and On a test of whether one of two
D.R.Whitney random variables is stochastically
larger than the other, Ann.Math.Stat.
18 (1947),pg 50-60.
- [3] H.R.van der Vaart Some remarks on the power function
of Wilcoxon's test for the problem
of two samples, I,II. Proceedings
van de Kon.Ned. Ak.v.Wet.,53 (1950),
pg 494-520.
- [4] D.van Dantzig On the consistency and the power of
Wilcoxon's two sample test,
Proceedings van de Kon.Ned.Ak.v.Wet.,
54 (1951) pg 1-8.
- [5] J.Hemelrijk Note on Wilcoxon's two sample test,
when ties are present, Ann.Math.Stat.
23 (1952)no.2.

TABLE I

$$\mu = \frac{1}{2}mn; \quad \sigma = \sqrt{\frac{1}{12} mn(m+n+1)}.$$

m=	1		2		3		4	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
11	5,5	3,452	11,0	5,066	16,5	6,423	22,0	7,659
12	6,0	3,742	12,0	5,477	18,0	6,928	24,0	8,246
13	6,5	4,031	13,0	5,888	19,5	7,433	26,0	8,832
14	7,0	4,320	14,0	6,298	21,0	7,937	28,0	9,416
15	7,5	4,610	15,0	6,708	22,5	8,441	30,0	10,000
16	8,0	4,899	16,0	7,118	24,0	8,944	32,0	10,583
17	8,5	5,188	17,0	7,528	25,5	9,447	34,0	11,165
18	9,0	5,477	18,0	7,937	27,0	9,950	36,0	11,747
19	9,5	5,766	19,0	8,347	28,5	10,452	38,0	12,329
20	10,0	6,055	20,0	8,756	30,0	10,954	40,0	12,910
21	10,5	6,344	21,0	9,165	31,5	11,456	42,0	13,491
22	11,0	6,633	22,0	9,574	33,0	11,958	44,0	14,071
23	11,5	6,922	23,0	9,983	34,5	12,460	46,0	14,652
24	12,0	7,211	24,0	10,392	36,0	12,961	48,0	15,232
25	12,5	7,500	25,0	10,801	37,5	13,463	50,0	15,811
26	13,0	7,789	26,0	11,210	39,0	13,964	52,0	16,391
27	13,5	8,078	27,0	11,619	40,5	14,465	54,0	16,971
28	14,0	8,367	28,0	12,028	42,0	14,967	56,0	17,550
29	14,5	8,655	29,0	12,436	43,5	15,468	58,0	18,129
30	15,0	8,944	30,0	12,845	45,0	15,969	60,0	18,708
31	15,5	9,233	31,0	13,254	46,5	16,470	62,0	19,287
32	16,0	9,522	32,0	13,663	48,0	16,971	64,0	19,866
33	16,5	9,811	33,0	14,071	49,5	17,471	66,0	20,445
34	17,0	10,100	34,0	14,480	51,0	17,972	68,0	21,024
35	17,5	10,388	35,0	14,888	52,5	18,473	70,0	21,602
36	18,0	10,677	36,0	15,297	54,0	18,974	72,0	22,181
37	18,5	10,966	37,0	15,706	55,5	19,474	74,0	22,760
38	19,0	11,255	38,0	16,114	57,0	19,975	76,0	23,338
39	19,5	11,543	39,0	16,523	58,5	20,475	78,0	23,917
40	20,0	11,832	40,0	16,931	60,0	20,976	80,0	24,495
41	20,5	12,121	41,0	17,340	61,5	21,477	82,0	25,073
42	21,0	12,410	42,0	17,748	63,0	21,977	84,0	25,652
43	21,5	12,698	43,0	18,157	64,5	22,478	86,0	26,230
44	22,0	12,987	44,0	18,565	66,0	22,978	88,0	26,808
45	22,5	13,276	45,0	18,974	67,5	23,479	90,0	27,386
46	23,0	13,565	46,0	19,382	69,0	23,979	92,0	27,964
47	23,5	13,853	47,0	19,791	70,5	24,480	94,0	28,542
48	24,0	14,142	48,0	20,199	72,0	24,980	96,0	29,120
49	24,5	14,431	49,0	20,607	73,5	25,480	98,0	29,698
50	25,0	14,720	50,0	21,016	75,0	25,981	100,0	30,277
51	25,5	15,008	51,0	21,424	76,5	26,481	102,0	30,854
52	26,0	15,297	52,0	21,833	78,0	26,981	104,0	31,432
53	26,5	15,586	53,0	22,241	79,5	27,482	106,0	32,010
54	27,0	15,875	54,0	22,650	81,0	27,982	108,0	32,588
55	27,5	16,163	55,0	23,058	82,5	28,482	110,0	33,166

m=	1		2		3		4	
n	μ	σ	μ	σ	μ	σ	μ	σ
56	28,0	16,452	56,0	23,466	84,0	28,983	112,0	33,744
57	28,5	16,741	57,0	23,875	85,5	29,483	114,0	34,322
58	29,0	17,029	58,0	24,283	87,0	29,983	116,0	34,900
59	29,5	17,318	59,0	24,691	88,5	30,484	118,0	35,478
60	30,0	17,607	60,0	25,100	90,0	30,984	120,0	36,056
61	30,5	17,896	61,0	25,508	91,5	31,484	122,0	36,633
62	31,0	18,184	62,0	25,917	93,0	31,984	124,0	37,211
63	31,5	18,473	63,0	26,325	94,5	32,485	126,0	37,789
64	32,0	18,762	64,0	26,733	96,0	32,985	128,0	38,367
65	32,5	19,050	65,0	27,142	97,5	33,485	130,0	38,944
66	33,0	19,339	66,0	27,550	99,0	33,985	132,0	39,522
67	33,5	19,628	67,0	27,958	100,5	34,486	134,0	40,100
68	34,0	19,916	68,0	28,367	102,0	34,986	136,0	40,678
69	34,5	20,205	69,0	28,775	103,5	35,486	138,0	41,255
70	35,0	20,494	70,0	29,183	105,0	35,986	140,0	41,833
71	35,5	20,783	71,0	29,592	106,5	36,486	142,0	42,411
72	36,0	21,071	72,0	30,000	108,0	36,986	144,0	42,988
73	36,5	21,360	73,0	30,408	109,5	37,487	146,0	43,566
74	37,0	21,649	74,0	30,817	111,0	37,987	148,0	44,144
75	37,5	21,937	75,0	31,225	112,5	38,487	150,0	44,721
76	38,0	22,226	76,0	31,633	114,0	38,987	152,0	45,299
77	38,5	22,515	77,0	32,042	115,5	39,487	154,0	45,877
78	39,0	22,804	78,0	32,450	117,0	39,987	156,0	46,454
79	39,5	23,092	79,0	32,858	118,5	40,488	158,0	47,032
80	40,0	23,381	80,0	33,267	120,0	40,988	160,0	47,610
81	40,5	23,670	81,0	33,675	121,5	41,488	162,0	48,187
82	41,0	23,958	82,0	34,083	123,0	41,988	164,0	48,765
83	41,5	24,247	83,0	34,492	124,5	42,488	166,0	49,342
84	42,0	24,536	84,0	34,900	126,0	42,988	168,0	49,920
85	42,5	24,824	85,0	35,308	127,5	43,489	170,0	50,498
86	43,0	25,113	86,0	35,716	129,0	43,989	172,0	51,075
87	43,5	25,402	87,0	36,125	130,5	44,489	174,0	51,653
88	44,0	25,690	88,0	36,533	132,0	44,989	176,0	52,230
89	44,5	25,979	89,0	36,941	133,5	45,489	178,0	52,808
90	45,0	26,268	90,0	37,350	135,0	45,989	180,0	53,385
91	45,5	26,557	91,0	37,758	136,5	46,489	182,0	53,963
92	46,0	26,845	92,0	38,166	138,0	46,989	184,0	54,541
93	46,5	27,134	93,0	38,575	139,5	47,489	186,0	55,119
94	47,0	27,423	94,0	38,983	141,0	47,990	188,0	55,696
95	47,5	27,711	95,0	39,391	142,5	48,490	190,0	56,273
96	48,0	28,000	96,0	39,799	144,0	48,990	192,0	56,851
97	48,5	28,289	97,0	40,208	145,5	49,490	194,0	57,428
98	49,0	28,577	98,0	40,616	147,0	49,990	196,0	58,006
99	49,5	28,866	99,0	41,024	148,5	50,490	198,0	58,583
100	50,0	29,155	100,0	41,433	150,0	50,990	200,0	59,161

m =	5		6		7		8	
n	μ	σ	μ	σ	μ	σ	μ	σ
11	27,5	8,827	33,0	9,950	38,5	11,04	44,0	12,11
12	30,0	9,487	36,0	10,677	42,0	11,83	48,0	12,96
13	32,5	10,145	39,0	11,402	45,5	12,62	52,0	13,81
14	35,0	10,801	42,0	12,124	49,0	13,40	56,0	14,65
15	37,5	11,456	45,0	12,845	52,5	14,19	60,0	15,49
16	40,0	12,111	48,0	13,565	56,0	14,97	64,0	16,33
17	42,5	12,764	51,0	14,283	59,5	15,74	68,0	17,17
18	45,0	13,416	54,0	15,000	63,0	16,52	72,0	18,00
19	47,5	14,068	57,0	15,716	66,5	17,30	76,0	18,83
20	50,0	14,720	60,0	16,432	70,0	18,07	80,0	19,66
21	52,5	15,370	63,0	17,146	73,5	18,85	84,0	20,49
22	55,0	16,021	66,0	17,861	77,0	19,62	88,0	21,32
23	57,5	16,671	69,0	18,574	80,5	20,39	92,0	22,15
24	60,0	17,321	72,0	19,287	84,0	21,17	96,0	22,98
25	62,5	17,970	75,0	20,000	87,5	21,94	100,0	23,80
26	65,0	18,619	78,0	20,712	91,0	22,71	104,0	24,63
27	67,5	19,268	81,0	21,424	94,5	23,48	108,0	25,46
28	70,0	19,916	84,0	22,136	98,0	24,25	112,0	26,28
29	72,5	20,565	87,0	22,847	101,5	25,02	116,0	27,10
30	75,0	21,213	90,0	23,558	105,0	25,79	120,0	27,93
31	77,5	21,861	93,0	24,269	108,5	26,56	124,0	28,75
32	80,0	22,509	96,0	24,980	112,0	27,33	128,0	29,57
33	82,5	23,157	99,0	25,690	115,5	28,09	132,0	30,40
34	85,0	23,805	102,0	26,401	119,0	28,86	136,0	31,22
35	87,5	24,452	105,0	27,111	122,5	29,63	140,0	32,04
36	90,0	25,100	108,0	27,821	126,0	30,40	144,0	32,86
37	92,5	25,747	111,0	28,531	129,5	31,16	148,0	33,68
38	95,0	26,394	114,0	29,240	133,0	31,93	152,0	34,51
39	97,5	27,042	117,0	29,950	136,5	32,70	156,0	35,33
40	100,0	27,689	120,0	30,659	140,0	33,47	160,0	36,15
41	102,5	28,336	123,0	31,369	143,5	34,23	164,0	36,97
42	105,0	28,983	126,0	32,078	147,0	35,00	168,0	37,79
43	107,5	29,630	129,0	32,787	150,5	35,77	172,0	38,61
44	110,0	30,276	132,0	33,496	154,0	36,53	176,0	39,43
45	112,5	30,923	135,0	34,205	157,5	37,30	180,0	40,25
46	115,0	31,570	138,0	34,914	161,0	38,07	184,0	41,07
47	117,5	32,217	141,0	35,623	164,5	38,83	188,0	41,89
48	120,0	32,863	144,0	36,332	168,0	39,60	192,0	42,71
49	122,5	33,510	147,0	37,041	171,5	40,36	196,0	43,53
50	125,0	34,156	150,0	37,749	175,0	41,13	200,0	44,35
51	127,5	34,803	153,0	38,458	178,5	41,90	204,0	45,17
52	130,0	35,450	156,0	39,166	182,0	42,66	208,0	45,99
53	132,5	36,096	159,0	39,875	185,5	43,43	212,0	46,80
54	135,0	36,742	162,0	40,583	189,0	44,19	216,0	47,62
55	137,5	37,389	165,0	41,292	192,5	44,96	220,0	48,44

m =	5		6		7		8	
n	μ	σ	μ	σ	μ	σ	μ	σ
56	140,0	38,035	168,0	42,000	196,0	45,72	224,0	49,26
57	142,5	38,631	171,0	42,708	199,5	46,49	228,0	50,08
58	145,0	39,328	174,0	43,417	203,0	47,25	232,0	50,90
59	147,5	39,974	177,0	44,125	206,5	48,02	236,0	51,72
60	150,0	40,620	180,0	44,833	21,0	48,79	240,0	52,54
61	152,5	41,266	183,0	45,541	213,5	49,55	244,0	53,35
62	155,0	41,913	186,0	46,249	217,0	50,32	248,0	54,17
63	157,5	42,559	189,0	46,957	220,5	51,08	252,0	54,99
64	160,0	43,205	192,0	47,666	224,0	51,85	256,0	55,81
65	162,5	43,851	195,0	48,374	227,5	52,61	260,0	56,63
66	165,0	44,497	198,0	49,082	231,0	53,38	264,0	57,45
67	167,5	45,143	201,0	49,790	234,5	54,14	268,0	58,26
68	170,0	45,789	204,0	50,498	238,0	54,91	272,0	59,08
69	172,5	46,435	207,0	51,205	241,5	55,67	276,0	59,90
70	175,0	47,081	210,0	51,913	245,0	56,44	280,0	60,72
71	177,5	47,728	213,0	52,621	248,5	57,20	284,0	61,54
72	180,0	48,374	216,0	53,329	252,0	57,97	288,0	62,35
73	182,5	49,020	219,0	54,037	255,5	58,73	292,0	63,17
74	185,0	49,666	222,0	54,745	259,0	59,50	296,0	63,99
75	187,5	50,312	225,0	55,453	262,5	60,26	300,0	64,81
76	190,0	50,958	228,0	56,160	266,0	61,02	304,0	65,63
77	192,5	51,604	231,0	56,868	269,5	61,79	308,0	66,44
78	195,0	52,249	234,0	57,576	273,0	62,55	312,0	67,26
79	197,5	52,894	237,0	58,284	276,5	63,32	316,0	68,08
80	200,0	53,541	240,0	58,992	280,0	64,08	320,0	68,90
81	202,5	54,187	243,0	59,699	283,5	64,85	324,0	69,71
82	205,0	54,833	246,0	60,407	287,0	65,61	328,0	70,53
83	207,5	55,479	249,0	61,115	290,5	66,38	332,0	71,35
84	210,0	56,125	252,0	61,822	294,0	67,14	336,0	72,17
85	212,5	56,771	255,0	62,530	297,5	67,91	340,0	72,98
86	215,0	57,417	258,0	63,238	301,0	68,67	344,0	73,80
87	217,5	58,062	261,0	63,945	304,5	69,44	348,0	74,62
88	220,0	58,708	264,0	64,653	308,0	70,20	352,0	75,44
89	222,5	59,354	267,0	65,361	311,5	70,96	356,0	76,25
90	225,0	60,000	270,0	66,068	315,0	71,72	360,0	77,07
91	227,5	60,646	273,0	66,776	318,5	72,49	364,0	77,89
92	230,0	61,292	276,0	67,483	322,0	73,26	368,0	78,71
93	232,5	61,937	279,0	68,191	325,5	74,02	372,0	79,52
94	235,0	62,583	282,0	68,898	329,0	74,79	376,0	80,34
95	237,5	63,229	285,0	69,606	332,5	75,55	380,0	81,16
96	240,0	63,875	288,0	70,314	336,0	76,32	384,0	81,98
97	242,5	64,521	291,0	71,021	339,5	77,08	388,0	82,79
98	245,0	65,166	294,0	71,729	343,0	77,84	392,0	83,61
99	247,5	65,812	297,0	72,436	346,5	78,61	396,0	84,43
100	250,0	66,458	300,0	73,144	350,0	79,37	400,0	85,24

m =	9		10		11		12	
η	μ	σ	μ	σ	μ	σ	μ	σ
11	49,5	13,16	55,0	14,20	60,5	15,23		
12	54,0	14,07	60,0	15,17	66,0	16,25	72,0	17,32
13	58,5	14,97	65,0	16,12	71,5	17,26	78,0	18,38
14	63,0	15,87	70,0	17,08	77,0	18,27	84,0	19,44
15	67,5	16,77	75,0	18,03	82,5	19,27	90,0	20,49
16	72,0	17,66	80,0	18,97	88,0	20,26	96,0	21,54
17	76,5	18,55	85,0	19,92	93,5	21,26	102,0	22,58
18	81,0	19,44	90,0	20,86	99,0	22,25	108,0	23,62
19	85,5	20,33	95,0	21,79	104,5	23,24	114,0	24,66
20	90,0	21,21	100,0	22,73	110,0	24,22	120,0	25,69
21	94,5	22,10	105,0	23,66	115,5	25,20	126,0	26,72
22	99,0	22,98	110,0	24,60	121,0	26,19	132,0	27,75
23	103,5	23,86	115,0	25,53	126,5	27,16	138,0	28,77
24	108,0	24,74	120,0	26,46	132,0	28,14	144,0	29,80
25	112,5	25,62	125,0	27,39	137,5	29,12	150,0	30,82
26	117,0	26,50	130,0	28,31	143,0	30,09	156,0	31,84
27	121,5	27,37	135,0	29,24	148,5	31,07	162,0	32,86
28	126,0	28,25	140,0	30,17	154,0	32,04	168,0	33,88
29	130,5	29,12	145,0	31,09	159,5	33,01	174,0	34,90
30	135,0	30,00	150,0	32,02	165,0	33,99	180,0	35,92
31	139,5	30,87	155,0	32,94	170,5	34,96	186,0	36,93
32	144,0	31,75	160,0	33,86	176,0	35,93	192,0	37,95
33	148,5	32,62	165,0	34,79	181,5	36,90	198,0	38,96
34	153,0	33,50	170,0	35,71	187,0	37,87	204,0	39,97
35	157,5	34,37	175,0	36,63	192,5	38,83	210,0	40,99
36	162,0	35,24	180,0	37,55	198,0	39,80	216,0	42,00
37	166,5	36,11	185,0	38,47	203,5	40,77	222,0	43,01
38	171,0	36,99	190,0	39,39	209,0	41,74	228,0	44,02
39	175,5	37,86	195,0	40,31	214,5	42,70	234,0	45,03
40	180,0	38,73	200,0	41,23	220,0	43,67	240,0	46,04
41	184,5	39,60	205,0	42,15	225,5	44,63	246,0	47,05
42	189,0	40,47	210,0	43,07	231,0	45,60	252,0	48,06
43	193,5	41,34	215,0	43,99	236,5	46,56	258,0	49,07
44	198,0	42,21	220,0	44,91	242,0	47,53	264,0	50,08
45	202,5	43,08	225,0	45,83	247,5	48,49	270,0	51,09
46	207,0	43,95	230,0	46,74	253,0	49,46	276,0	52,10
47	211,5	44,82	235,0	47,66	258,5	50,42	282,0	53,10
48	216,0	45,69	240,0	48,58	264,0	51,38	288,0	54,11
49	220,5	46,56	245,0	49,50	269,5	52,34	294,0	55,12
50	225,0	47,43	250,0	50,41	275,0	53,31	300,0	56,12
51	229,5	48,30	255,0	51,33	280,5	54,27	306,0	57,13
52	234,0	49,17	260,0	52,25	286,0	55,24	312,0	58,14
53	238,5	50,04	265,0	53,17	291,5	56,20	318,0	59,14
54	243,0	50,91	270,0	54,08	297,0	57,16	324,0	60,15
55	247,5	51,78	275,0	55,00	302,5	58,12	330,0	61,16

m =	9		10		11		12	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
56	252,0	52,65	280,0	55,92	308,0	59,08	336,0	62,16
57	256,5	53,52	285,0	56,83	313,5	60,04	342,0	63,17
58	261,0	54,39	290,0	57,75	319,0	61,01	348,0	64,17
59	265,5	55,26	295,0	58,67	324,5	61,97	354,0	65,18
60	270,0	56,12	300,0	59,58	330,0	62,93	360,0	66,18
61	274,5	56,99	305,0	60,50	335,5	63,89	366,0	67,19
62	279,0	57,86	310,0	61,41	341,0	64,85	372,0	68,19
63	283,5	58,73	315,0	62,33	346,5	65,81	378,0	69,20
64	288,0	59,60	320,0	63,25	352,0	66,78	384,0	70,20
65	292,5	60,47	325,0	64,16	357,5	67,73	390,0	71,20
66	297,0	61,34	330,0	65,08	363,0	68,69	396,0	72,21
67	301,5	62,20	335,0	65,99	368,5	69,66	402,0	73,21
68	306,0	63,07	340,0	66,91	374,0	70,62	408,0	74,21
69	310,5	63,94	345,0	67,82	379,5	71,58	414,0	75,22
70	315,0	64,81	350,0	68,74	385,0	72,54	420,0	76,22
71	319,5	65,68	355,0	69,65	390,5	73,50	426,0	77,23
72	324,0	66,54	360,0	70,57	396,0	74,46	432,0	78,23
73	328,5	67,41	365,0	71,48	401,5	75,42	438,0	79,23
74	333,0	68,28	370,0	72,40	407,0	76,38	444,0	80,24
75	337,5	69,15	375,0	73,31	412,5	77,34	450,0	81,24
76	342,0	70,01	380,0	74,23	418,0	78,30	456,0	82,24
77	346,5	70,88	385,0	75,14	423,5	79,26	462,0	83,25
78	351,0	71,75	390,0	76,06	429,0	80,22	468,0	84,25
79	355,5	72,62	395,0	76,97	434,5	81,18	474,0	85,25
80	360,0	73,48	400,0	77,89	440,0	82,14	480,0	86,26
81	364,5	74,35	405,0	78,80	445,5	83,10	486,0	87,26
82	369,0	75,22	410,0	79,72	451,0	84,06	492,0	88,26
83	373,5	76,09	415,0	80,63	456,5	85,02	498,0	89,26
84	378,0	76,95	420,0	81,55	462,0	85,98	504,0	90,27
85	382,5	77,82	425,0	82,46	467,5	86,94	510,0	91,27
86	387,0	78,69	430,0	83,38	473,0	87,90	516,0	92,27
87	391,5	79,56	435,0	84,29	478,5	88,85	522,0	93,27
88	396,0	80,42	440,0	85,21	484,0	89,81	528,0	94,28
89	400,5	81,29	445,0	86,12	489,5	90,77	534,0	95,28
90	405,0	82,16	450,0	87,03	495,0	91,73	540,0	96,28
91	409,5	83,03	455,0	87,95	500,5	92,69	546,0	97,28
92	414,0	83,89	460,0	88,86	506,0	93,65	552,0	98,29
93	418,5	84,76	465,0	89,78	511,5	94,61	558,0	99,29
94	423,0	85,63	470,0	90,69	517,0	95,57	564,0	100,29
95	427,5	86,49	475,0	91,61	522,5	96,53	570,0	101,29
96	432,0	87,36	480,0	92,52	528,0	97,49	576,0	102,29
97	436,5	88,23	485,0	93,43	533,5	98,45	582,0	103,30
98	441,0	89,10	490,0	94,35	539,0	99,41	588,0	104,30
99	445,5	89,96	495,0	95,26	544,5	100,37	594,0	105,30
100	450,0	90,83	500,0	96,18	550,0	101,33	600,0	106,30

m =	13		14		15		16	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
13	84,5	19,49						
14	91,0	20,61	98,0	21,77				
15	97,5	21,70	105,0	22,91	112,5	24,11		
16	104,0	22,80	112,0	24,06	120,0	25,30	128,0	26,53
17	110,5	23,90	119,0	25,20	127,5	26,48	136,0	27,77
18	117,0	24,98	126,0	26,32	135,0	27,66	144,0	28,98
19	123,5	26,06	133,0	27,46	142,5	28,83	152,0	30,20
20	130,0	27,15	140,0	28,58	150,0	30,00	160,0	31,42
21	136,5	28,22	147,0	29,70	157,5	31,16	168,0	32,62
22	143,0	29,29	154,0	30,82	165,0	32,33	176,0	33,82
23	149,5	30,36	161,0	31,94	172,5	33,48	184,0	35,03
24	156,0	31,43	168,0	33,04	180,0	34,64	192,0	36,22
25	162,5	32,50	175,0	34,16	187,5	35,79	200,0	37,42
26	169,0	33,57	182,0	35,27	195,0	36,95	208,0	38,61
27	175,5	34,63	189,0	36,37	202,5	38,09	216,0	39,80
28	182,0	35,69	196,0	37,48	210,0	39,24	224,0	40,99
29	188,5	36,76	203,0	38,59	217,5	40,39	232,0	42,18
30	195,0	37,82	210,0	39,69	225,0	41,53	240,0	43,36
31	201,5	38,87	217,0	40,79	232,5	42,67	248,0	44,54
32	208,0	39,94	224,0	41,89	240,0	43,82	256,0	45,73
33	214,5	40,99	231,0	42,99	247,5	44,96	264,0	46,90
34	221,0	42,05	238,0	44,09	255,0	46,10	272,0	48,08
35	227,5	43,10	245,0	45,19	262,5	47,23	280,0	49,26
36	234,0	44,16	252,0	46,28	270,0	48,37	288,0	50,44
37	240,5	45,21	259,0	47,38	277,5	49,51	296,0	51,61
38	247,0	46,27	266,0	48,48	285,0	50,65	304,0	52,79
39	253,5	47,32	273,0	49,57	292,5	51,78	312,0	53,96
40	260,0	48,37	280,0	50,67	300,0	52,92	320,0	55,14
41	266,5	49,43	287,0	51,76	307,5	54,05	328,0	56,31
42	273,0	50,48	294,0	52,85	315,0	55,18	336,0	57,48
43	279,5	51,53	301,0	53,94	322,5	56,31	344,0	58,65
44	286,0	52,58	308,0	55,04	330,0	57,45	352,0	59,82
45	292,5	53,63	315,0	56,12	337,5	58,57	360,0	60,99
46	299,0	54,68	322,0	57,22	345,0	59,71	368,0	62,16
47	305,5	55,73	329,0	58,31	352,5	60,84	376,0	63,33
48	312,0	56,78	336,0	59,40	360,0	61,97	384,0	64,50
49	318,5	57,83	343,0	60,49	367,5	63,10	392,0	65,67
50	325,0	58,88	350,0	61,58	375,0	64,23	400,0	66,84
51	331,5	59,92	357,0	62,67	382,5	65,35	408,0	68,00
52	338,0	60,98	364,0	63,76	390,0	66,48	416,0	69,17
53	344,5	62,02	371,0	64,85	397,5	67,61	424,0	70,33
54	351,0	63,07	378,0	65,93	405,0	68,74	432,0	71,50
55	357,5	64,12	385,0	67,02	412,5	69,86	440,0	72,66

m =	13		14		15		16	
n	μ	σ	μ	σ	μ	σ	μ	σ
56	364,0	65,17	392,0	68,11	420,0	70,99	448,0	73,83
57	370,5	66,21	399,0	69,20	427,5	72,12	456,0	74,99
58	377,0	67,26	406,0	70,29	435,0	73,25	464,0	76,16
59	383,5	68,31	413,0	71,37	442,5	74,37	472,0	77,32
60	390,0	69,35	420,0	72,46	450,0	75,50	480,0	78,49
61	396,5	70,40	427,0	73,55	457,5	76,62	488,0	79,65
62	403,0	71,45	434,0	74,63	465,0	77,75	496,0	80,81
63	409,5	72,49	441,0	75,72	472,5	78,87	504,0	81,98
64	416,0	73,54	448,0	76,80	480,0	80,00	512,0	83,14
65	422,5	74,59	455,0	77,89	487,5	81,12	520,0	84,30
66	429,0	75,63	462,0	78,97	495,0	82,25	528,0	85,46
67	435,5	76,67	469,0	80,06	502,5	83,37	536,0	86,63
68	442,0	77,72	476,0	81,15	510,0	84,50	544,0	87,79
69	448,5	78,77	483,0	82,23	517,5	85,62	552,0	88,95
70	455,0	79,81	490,0	83,32	525,0	86,75	560,0	90,11
71	461,5	80,86	497,0	84,40	532,5	87,87	568,0	91,27
72	468,0	81,90	504,0	85,49	540,0	88,99	576,0	92,43
73	474,5	82,95	511,0	86,57	547,5	90,12	584,0	93,59
74	481,0	83,99	518,0	87,66	555,0	91,24	592,0	94,76
75	487,5	85,04	525,0	88,74	562,5	92,36	600,0	95,92
76	494,0	86,08	532,0	89,83	570,0	93,49	608,0	97,08
77	500,5	87,13	539,0	90,91	577,5	94,61	616,0	98,24
78	507,0	88,17	546,0	91,99	585,0	95,73	624,0	99,40
79	513,5	89,21	553,0	93,08	592,5	96,86	632,0	100,56
80	520,0	90,26	560,0	94,16	600,0	97,98	640,0	101,72
81	526,5	91,30	567,0	95,25	607,5	99,10	648,0	102,88
82	533,0	92,35	574,0	96,33	615,0	100,22	656,0	104,04
83	539,5	93,39	581,0	97,42	622,5	101,35	664,0	105,20
84	546,0	94,44	588,0	98,50	630,0	102,47	672,0	106,36
85	552,5	95,48	595,0	99,58	637,5	103,59	680,0	107,52
86	559,0	96,52	602,0	100,67	645,0	104,71	688,0	108,68
87	565,5	97,57	609,0	101,75	652,5	105,83	696,0	109,84
88	572,0	98,61	616,0	102,83	660,0	106,96	704,0	111,00
89	578,5	99,65	623,0	103,92	667,5	108,08	712,0	112,16
90	585,0	100,70	630,0	105,00	675,0	109,20	720,0	113,31
91	591,5	101,74	637,0	106,08	682,5	110,32	728,0	114,47
92	598,0	102,79	644,0	107,17	690,0	111,45	736,0	115,63
93	604,5	103,83	651,0	108,25	697,5	112,57	744,0	116,79
94	611,0	104,87	658,0	109,33	705,0	113,69	752,0	117,95
95	617,5	105,92	665,0	110,42	712,5	114,80	760,0	119,11
96	624,0	106,96	672,0	111,50	720,0	115,93	768,0	120,27
97	630,5	108,00	679,0	112,58	727,5	117,05	776,0	121,42
98	637,0	109,04	686,0	113,67	735,0	118,17	784,0	122,58
99	643,5	110,09	693,0	114,76	742,5	119,29	792,0	123,74
100	650,0	111,13	700,0	115,84	750,0	120,42	800,0	124,90

m =	17		18		19		20	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
17	144,5	29,03						
18	153,0	30,30	162,0	31,61				
19	161,5	31,56	171,0	32,91	180,5	34,25		
20	170,0	32,82	180,0	34,21	190,0	35,59	200,0	36,97
21	178,5	34,06	189,0	35,50	199,5	36,92	210,0	38,34
22	187,0	35,31	198,0	36,78	209,0	38,25	220,0	39,71
23	195,5	36,55	207,0	38,07	218,5	39,57	230,0	41,07
24	204,0	37,79	216,0	39,34	228,0	40,89	240,0	42,43
25	212,5	39,03	225,0	40,62	237,5	42,20	250,0	43,78
26	221,0	40,26	234,0	41,89	247,0	43,52	260,0	45,13
27	229,5	41,48	243,0	43,16	256,5	44,82	270,0	46,48
28	238,0	42,72	252,0	44,43	266,0	46,13	280,0	47,82
29	246,5	43,94	261,0	45,69	275,5	47,43	290,0	49,16
30	255,0	45,17	270,0	46,96	285,0	48,73	300,0	50,50
31	263,5	46,39	279,0	48,22	294,5	50,03	310,0	51,84
32	272,0	47,61	288,0	49,48	304,0	51,33	320,0	53,17
33	280,5	48,83	297,0	50,73	313,5	52,62	330,0	54,50
34	289,0	50,05	306,0	51,99	323,0	53,92	340,0	55,83
35	297,5	51,26	315,0	53,24	332,5	55,21	350,0	57,16
36	306,0	52,48	324,0	54,50	342,0	56,50	360,0	58,48
37	314,5	53,69	333,0	55,75	351,5	57,78	370,0	59,81
38	323,0	54,91	342,0	57,00	361,0	59,08	380,0	61,13
39	331,5	56,12	351,0	58,25	370,5	60,36	390,0	62,45
40	340,0	57,33	360,0	59,50	380,0	61,64	400,0	63,77
41	348,5	58,54	369,0	60,75	389,5	62,93	410,0	65,09
42	357,0	59,75	378,0	61,99	399,0	64,21	420,0	66,41
43	365,5	60,96	387,0	63,24	408,5	65,49	430,0	67,73
44	374,0	62,17	396,0	64,48	418,0	66,78	440,0	69,04
45	382,5	63,37	405,0	65,73	427,5	68,05	450,0	70,36
46	391,0	64,58	414,0	66,97	437,0	69,33	460,0	71,67
47	399,5	65,79	423,0	68,21	446,5	70,61	470,0	72,99
48	408,0	66,99	432,0	69,46	456,0	71,89	480,0	74,30
49	416,5	68,20	441,0	70,70	465,5	73,16	490,0	75,61
50	425,0	69,40	450,0	71,94	475,0	74,44	500,0	76,92
51	433,5	70,60	459,0	73,18	484,5	75,72	510,0	78,23
52	442,0	71,81	468,0	74,42	494,0	76,99	520,0	79,54
53	450,5	73,01	477,0	75,66	503,5	78,27	530,0	80,85
54	459,0	74,22	486,0	76,90	513,0	79,54	540,0	82,16
55	467,5	75,42	495,0	78,13	522,5	80,81	550,0	83,47

m =	17		18		19		20	
η	μ	σ	μ	σ	μ	σ	μ	σ
56	476,0	76,62	504,0	79,37	532,0	82,09	560,0	84,78
57	484,5	77,82	513,0	80,61	541,5	83,36	570,0	86,08
58	493,0	79,03	522,0	81,85	551,0	84,63	580,0	87,39
59	501,5	80,22	531,0	83,08	560,5	85,91	590,0	88,70
60	510,0	81,42	540,0	84,32	570,0	87,18	600,0	90,00
61	518,5	82,63	549,0	85,56	579,5	88,45	610,0	91,31
62	527,0	83,83	558,0	86,79	589,0	89,72	620,0	92,61
63	535,5	85,02	567,0	88,03	598,5	90,99	630,0	93,91
64	544,0	86,23	576,0	89,26	608,0	92,26	640,0	95,22
65	552,5	87,42	585,0	90,50	617,5	93,53	650,0	96,52
66	561,0	88,62	594,0	91,73	627,0	94,80	660,0	97,83
67	569,5	89,82	603,0	93,97	636,5	96,07	670,0	99,13
68	578,0	91,02	612,0	94,20	646,0	97,34	680,0	100,43
69	586,5	92,22	621,0	95,44	655,5	98,61	690,0	101,73
70	595,0	93,42	630,0	96,67	665,0	99,87	700,0	103,04
71	603,5	94,62	639,0	97,90	674,5	101,14	710,0	104,34
72	612,0	95,81	648,0	99,14	684,0	102,41	720,0	105,64
73	620,5	97,01	657,0	100,37	693,5	103,68	730,0	106,94
74	629,0	98,21	666,0	101,60	703,0	104,95	740,0	108,24
75	637,5	99,40	675,0	102,83	712,5	106,21	750,0	109,54
76	646,0	100,60	684,0	104,07	722,0	107,48	760,0	110,85
77	654,5	101,80	693,0	105,30	731,5	108,75	770,0	112,15
78	663,0	103,00	702,0	106,53	741,0	110,01	780,0	113,45
79	671,5	104,19	711,0	107,76	750,5	111,28	790,0	114,75
80	680,0	105,39	720,0	109,00	760,0	112,55	800,0	116,05
81	688,5	106,58	729,0	110,23	769,5	113,81	810,0	117,35
82	697,0	107,78	738,0	111,46	779,0	115,08	820,0	118,65
83	705,5	108,98	747,0	112,69	788,5	116,34	830,0	119,95
84	714,0	110,17	756,0	113,92	798,0	117,61	840,0	121,24
85	722,5	111,37	765,0	115,15	807,5	118,87	850,0	122,54
86	731,0	112,56	774,0	116,38	817,0	120,14	860,0	123,84
87	739,5	113,76	783,0	117,61	826,5	121,40	870,0	125,14
88	748,0	114,96	792,0	118,84	836,0	122,67	880,0	126,44
89	756,5	116,15	801,0	120,07	845,5	123,94	890,0	127,74
90	765,0	117,35	810,0	121,31	855,0	125,20	900,0	129,03
91	773,5	118,54	819,0	122,53	864,5	126,46	910,0	130,33
92	782,0	119,74	828,0	123,77	874,0	127,73	920,0	131,63
93	790,5	120,93	837,0	125,00	883,5	128,99	930,0	132,93
94	799,0	122,13	846,0	126,23	893,0	130,26	940,0	134,23
95	807,5	123,32	855,0	127,46	902,5	131,52	950,0	135,52
96	816,0	124,52	864,0	128,69	912,0	132,79	960,0	136,82
97	824,5	125,71	873,0	129,92	921,5	134,05	970,0	138,12
98	833,0	126,91	882,0	131,14	931,0	135,31	980,0	139,42
99	841,5	128,10	891,0	132,37	940,5	136,58	990,0	140,71
100	850,0	129,29	900,0	133,60	950,0	137,84	1000,0	142,01

m =	21		22		23		24	
n	μ	σ	μ	σ	μ	σ	μ	σ
21	220,5	39,75						
22	231,0	41,16	242,0	42,60				
23	241,5	42,56	253,0	44,05	264,5	45,52		
24	252,0	43,95	264,0	45,48	276,0	46,99	288,0	48,50
25	262,5	45,34	275,0	46,90	287,5	48,46	300,0	50,00
26	273,0	46,73	286,0	48,33	299,0	49,92	312,0	51,50
27	283,5	48,11	297,0	49,75	310,5	51,37	324,0	52,99
28	294,0	49,50	308,0	51,17	322,0	52,83	336,0	54,48
29	304,5	50,87	319,0	52,58	333,5	54,28	348,0	55,96
30	315,0	52,25	330,0	53,99	345,0	55,72	360,0	57,45
31	325,5	53,62	341,0	55,40	356,5	57,17	372,0	58,92
32	336,0	54,99	352,0	56,81	368,0	58,61	384,0	60,40
33	346,5	56,36	363,0	58,21	379,5	60,04	396,0	61,87
34	357,0	57,72	374,0	59,61	391,0	61,48	408,0	63,34
35	367,5	59,08	385,0	61,01	402,5	62,91	420,0	64,81
36	378,0	60,45	396,0	62,40	414,0	64,34	432,0	66,27
37	388,5	61,81	407,0	63,80	425,5	65,77	444,0	67,73
38	399,0	63,17	418,0	65,19	437,0	67,20	456,0	69,20
39	409,5	64,52	429,0	66,58	448,5	68,62	468,0	70,65
40	420,0	65,88	440,0	67,97	460,0	70,05	480,0	72,11
41	430,5	67,23	451,0	69,36	471,5	71,47	492,0	73,57
42	441,0	68,59	462,0	70,75	483,0	72,89	504,0	75,02
43	451,5	69,94	473,0	72,13	494,5	74,31	516,0	76,47
44	462,0	71,29	484,0	73,52	506,0	75,73	528,0	77,92
45	472,5	72,64	495,0	74,90	517,5	77,14	540,0	79,37
46	483,0	73,99	506,0	76,28	529,0	78,56	552,0	80,82
47	493,5	75,33	517,0	77,67	540,5	79,97	564,0	82,27
48	504,0	76,68	528,0	79,04	552,0	81,39	576,0	83,71
49	514,5	78,03	539,0	80,42	563,5	82,80	588,0	85,16
50	525,0	79,37	550,0	81,80	575,0	84,21	600,0	86,60
51	535,5	80,72	561,0	83,18	586,5	85,62	612,0	88,05
52	546,0	82,06	572,0	84,56	598,0	87,03	624,0	89,49
53	556,5	83,40	583,0	85,94	609,5	88,44	636,0	90,93
54	567,0	84,75	594,0	87,31	621,0	89,85	648,0	92,37
55	577,5	86,09	605,0	88,68	632,5	91,26	660,0	93,81

m =	21		22		23		24	
n	μ	σ	μ	σ	μ	σ	μ	σ
56	588,0	87,43	616,0	90,06	644,0	92,67	672,0	95,25
57	598,5	88,77	627,0	91,43	655,5	94,07	684,0	96,69
58	609,0	90,11	638,0	92,81	667,0	95,48	696,0	98,12
59	619,5	91,45	649,0	94,18	678,5	96,88	708,0	99,56
60	630,0	92,79	660,0	95,55	690,0	98,29	720,0	101,00
61	640,5	94,13	671,0	96,92	701,5	99,69	732,0	102,42
62	651,0	95,47	682,0	98,30	713,0	101,09	744,0	103,86
63	661,5	96,80	693,0	99,66	724,5	102,50	756,0	105,30
64	672,0	98,14	704,0	101,03	736,0	103,90	768,0	106,74
65	682,5	99,48	715,0	102,41	747,5	105,30	780,0	108,17
66	693,0	100,82	726,0	103,77	759,0	106,70	792,0	109,60
67	703,5	102,15	737,0	105,14	770,5	108,10	804,0	111,03
68	714,0	103,49	748,0	106,51	782,0	109,50	816,0	112,46
69	724,5	104,82	759,0	107,88	793,5	110,90	828,0	113,89
70	735,0	106,16	770,0	109,25	805,0	112,30	840,0	115,33
71	745,5	107,49	781,0	110,62	816,5	113,70	852,0	116,76
72	756,0	108,83	792,0	111,98	828,0	115,10	864,0	118,19
73	766,5	110,16	803,0	113,35	839,5	116,50	876,0	119,62
74	777,0	111,50	814,0	114,72	851,0	117,90	888,0	121,04
75	787,5	112,83	825,0	116,08	862,5	119,29	900,0	122,47
76	798,0	114,16	836,0	117,45	874,0	120,69	912,0	123,90
77	808,5	115,50	847,0	118,81	885,5	122,09	924,0	125,33
78	819,0	116,83	858,0	120,18	897,0	123,49	936,0	126,76
79	829,5	118,17	869,0	121,54	908,5	124,89	948,0	128,19
80	840,0	119,50	880,0	122,91	920,0	126,28	960,0	129,61
81	850,5	120,83	891,0	124,27	931,5	127,68	972,0	131,04
82	861,0	122,16	902,0	125,64	943,0	129,07	984,0	132,47
83	871,5	123,49	913,0	127,00	954,5	130,47	996,0	133,89
84	882,0	124,82	924,0	128,37	966,0	131,86	1008,0	135,32
85	892,5	126,16	935,0	129,73	977,5	133,26	1020,0	136,75
86	903,0	127,49	946,0	131,10	989,0	134,66	1032,0	138,17
87	913,5	128,82	957,0	132,46	1000,5	136,05	1044,0	139,60
88	924,0	130,15	968,0	133,82	1012,0	137,44	1056,0	141,02
89	934,5	131,48	979,0	135,19	1023,5	138,84	1068,0	142,45
90	945,0	132,82	990,0	136,55	1035,0	140,23	1080,0	143,87
91	955,5	134,15	1001,0	137,91	1046,5	141,62	1092,0	145,30
92	966,0	135,48	1012,0	139,27	1058,0	143,02	1104,0	146,72
93	976,5	136,81	1023,0	140,63	1069,5	144,42	1116,0	148,15
94	987,0	138,14	1034,0	142,00	1081,0	145,81	1128,0	149,57
95	997,5	139,47	1045,0	143,36	1092,5	147,20	1140,0	151,00
96	1008,0	140,80	1056,0	144,72	1104,0	148,60	1152,0	152,42
97	1018,5	142,13	1067,0	146,08	1115,5	150,00	1164,0	153,84
98	1029,0	143,46	1078,0	147,44	1127,0	151,38	1176,0	155,27
99	1039,5	144,79	1089,0	148,81	1138,5	152,77	1188,0	156,69
100	1050,0	146,12	1100,0	150,17	1150,0	154,16	1200,0	158,11

m	25		26		27		28	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
25	312,5	51,54						
26	325,0	53,08	338,0	54,64				
27	337,5	54,60	351,0	56,20	364,5	57,80		
28	350,0	56,12	364,0	57,77	378,0	59,40	392,0	61,02
29	362,5	57,65	377,0	59,32	391,5	60,98	406,0	62,65
30	375,0	59,16	390,0	60,87	405,0	62,57	420,0	64,27
31	387,5	60,67	403,0	62,42	418,5	64,15	434,0	65,88
32	400,0	62,19	416,0	63,96	432,0	65,73	448,0	67,49
33	412,5	63,69	429,0	65,50	445,5	67,30	462,0	69,09
34	425,0	65,19	442,0	67,04	459,0	68,87	476,0	70,70
35	437,5	66,69	455,0	68,57	472,5	70,43	490,0	72,30
36	450,0	68,19	468,0	70,10	486,0	72,00	504,0	73,89
37	462,5	69,69	481,0	71,63	499,5	73,56	518,0	75,49
38	475,0	71,18	494,0	73,16	513,0	75,12	532,0	77,08
39	487,5	72,67	507,0	74,68	526,5	76,67	546,0	78,66
40	500,0	74,16	520,0	76,20	540,0	78,23	560,0	80,25
41	512,5	75,65	533,0	77,72	553,5	79,78	574,0	81,84
42	525,0	77,14	546,0	79,24	567,0	81,33	588,0	83,41
43	537,5	78,62	559,0	80,76	580,5	82,88	602,0	84,99
44	550,0	80,11	572,0	82,27	594,0	84,43	616,0	86,57
45	562,5	81,58	585,0	83,79	607,5	85,97	630,0	88,15
46	575,0	83,07	598,0	85,30	621,0	87,52	644,0	89,72
47	587,5	84,55	611,0	86,81	634,5	89,06	658,0	91,30
48	600,0	86,02	624,0	88,32	648,0	90,60	672,0	92,87
49	612,5	87,50	637,0	89,83	661,5	92,14	686,0	94,44
50	625,0	88,98	650,0	91,33	675,0	93,67	700,0	96,01
51	637,5	90,45	663,0	92,84	688,5	95,21	714,0	97,57
52	650,0	91,92	676,0	94,35	702,0	96,75	728,0	99,14
53	662,5	93,40	689,0	95,85	715,5	98,28	742,0	100,70
54	675,0	94,87	702,0	97,35	729,0	99,81	756,0	102,27
55	687,5	96,34	715,0	98,85	742,5	101,34	770,0	103,83

m n ↓	25		26		27		28	
	μ	σ	μ	σ	μ	σ	μ	σ
56	700,0	97,81	728,0	100,35	756,0	102,86	784,0	105,40
57	712,5	99,28	741,0	101,86	769,5	104,40	798,0	106,96
58	725,0	100,75	754,0	103,35	783,0	105,94	812,0	108,51
59	737,5	102,23	767,0	104,85	796,5	107,47	826,0	110,07
60	750,0	103,68	780,0	106,35	810,0	109,00	840,0	111,62
61	762,5	105,15	793,0	107,84	823,5	110,52	854,0	113,18
62	775,0	106,62	806,0	109,34	837,0	112,05	868,0	114,74
63	787,5	108,08	819,0	110,84	850,5	113,58	882,0	116,29
64	800,0	109,54	832,0	112,34	864,0	115,10	896,0	117,85
65	812,5	111,01	845,0	113,83	877,5	116,62	910,0	119,40
66	825,0	112,47	858,0	115,32	891,0	118,15	924,0	120,95
67	837,5	113,94	871,0	116,81	904,5	119,67	938,0	122,50
68	850,0	115,40	884,0	118,31	918,0	121,20	952,0	124,06
69	862,5	116,86	897,0	119,80	931,5	122,72	966,0	125,61
70	875,0	118,32	910,0	121,29	945,0	124,24	980,0	127,16
71	887,5	119,78	923,0	122,78	958,5	125,76	994,0	128,71
72	900,0	121,24	936,0	124,27	972,0	127,28	1008,0	130,26
73	912,5	122,70	949,0	125,76	985,5	128,80	1022,0	131,81
74	925,0	124,16	962,0	127,25	999,0	130,32	1036,0	133,36
75	937,5	125,62	975,0	128,74	1012,5	131,84	1050,0	134,91
76	950,0	127,08	988,0	130,23	1026,0	133,35	1064,0	136,46
77	962,5	128,54	1001,0	131,72	1039,5	134,87	1078,0	138,00
78	975,0	130,00	1014,0	133,21	1053,0	136,39	1092,0	139,55
79	987,5	131,46	1027,0	134,70	1066,5	137,91	1106,0	141,10
80	1000,0	132,92	1040,0	136,19	1080,0	139,43	1120,0	142,64
81	1012,5	134,37	1053,0	137,67	1093,5	140,94	1134,0	144,19
82	1025,0	135,83	1066,0	139,16	1107,0	142,46	1148,0	145,73
83	1037,5	137,29	1079,0	140,65	1120,5	143,98	1162,0	147,28
84	1050,0	138,74	1092,0	142,13	1134,0	145,49	1176,0	148,82
85	1062,5	140,20	1105,0	143,62	1147,5	147,01	1190,0	150,37
86	1075,0	141,66	1118,0	145,10	1161,0	148,52	1204,0	151,91
87	1087,5	143,11	1131,0	146,59	1174,5	150,04	1218,0	153,45
88	1100,0	144,57	1144,0	148,08	1188,0	151,55	1232,0	155,00
89	1112,5	146,02	1157,0	149,56	1201,5	153,06	1246,0	156,54
90	1125,0	147,48	1170,0	151,04	1215,0	154,58	1260,0	158,08
91	1137,5	148,93	1183,0	152,53	1228,5	156,10	1274,0	159,62
92	1150,0	150,39	1196,0	154,01	1242,0	157,61	1288,0	161,17
93	1162,5	151,84	1209,0	155,50	1255,5	159,12	1302,0	162,71
94	1175,0	153,30	1222,0	156,98	1269,0	160,64	1316,0	164,25
95	1187,5	154,75	1235,0	158,46	1282,5	162,14	1330,0	165,79
96	1200,0	156,20	1248,0	159,95	1296,0	163,66	1344,0	167,33
97	1212,5	157,66	1261,0	161,43	1309,5	165,17	1358,0	168,87
98	1225,0	159,11	1274,0	162,91	1323,0	166,68	1372,0	170,41
99	1237,5	160,56	1287,0	164,40	1336,5	168,20	1386,0	171,95
100	1250,0	162,02	1300,0	165,88	1350,0	169,71	1400,0	173,49

m =	29		30		31		32	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
29	420,5	64,30						
30	435,0	65,95	450,0	67,64				
31	449,5	67,60	465,0	69,32	480,5	71,03		
32	464,0	69,25	480,0	70,99	496,0	72,74	512,0	74,47
33	478,5	70,88	495,0	72,66	511,5	74,44	528,0	76,21
34	493,0	72,52	510,0	74,33	527,0	76,14	544,0	77,94
35	507,5	74,15	525,0	75,99	542,5	77,83	560,0	79,67
36	522,0	75,78	540,0	77,65	558,0	79,52	576,0	81,39
37	536,5	77,40	555,0	79,31	573,5	81,21	592,0	83,11
38	551,0	79,03	570,0	80,96	589,0	82,90	608,0	84,82
39	565,5	80,64	585,0	82,61	604,5	84,58	624,0	86,53
40	580,0	82,26	600,0	84,26	620,0	86,26	640,0	88,24
41	594,5	83,87	615,0	85,91	635,5	87,93	656,0	89,95
42	609,0	85,49	630,0	87,55	651,0	89,60	672,0	91,65
43	623,5	87,10	645,0	89,19	666,5	91,27	688,0	93,35
44	638,0	88,71	660,0	90,83	682,0	92,95	704,0	95,05
45	652,5	90,31	675,0	92,47	697,5	94,61	720,0	96,75
46	667,0	91,92	690,0	94,10	713,0	96,28	736,0	98,44
47	681,5	93,52	705,0	95,73	728,5	97,94	752,0	100,13
48	696,0	95,12	720,0	97,36	744,0	99,60	768,0	101,82
49	710,5	96,73	735,0	98,99	759,5	101,26	784,0	103,51
50	725,0	98,32	750,0	100,62	775,0	102,92	800,0	105,20
51	739,5	99,91	765,0	102,25	790,5	104,57	816,0	106,88
52	754,0	101,51	780,0	103,87	806,0	106,23	832,0	108,57
53	768,5	103,11	795,0	105,50	821,5	107,88	848,0	110,25
54	783,0	104,70	810,0	107,12	837,0	109,53	864,0	111,93
55	797,5	106,29	825,0	108,74	852,5	111,18	880,0	113,61

m =	29		30		31		32	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
56	812,0	107,88	840,0	110,36	868,0	112,83	896,0	115,29
57	826,5	109,47	855,0	111,98	883,5	114,48	912,0	116,96
58	841,0	111,06	870,0	113,60	899,0	116,12	928,0	118,64
59	855,5	112,65	885,0	115,22	914,5	117,77	944,0	120,31
60	870,0	114,24	900,0	116,83	930,0	119,42	960,0	121,98
61	884,5	115,82	915,0	118,45	945,5	121,06	976,0	123,65
62	899,0	117,41	930,0	120,06	961,0	122,70	992,0	125,33
63	913,5	118,99	945,0	121,68	976,5	124,34	1008,0	127,00
64	928,0	120,58	960,0	123,29	992,0	125,98	1024,0	128,66
65	942,5	122,16	975,0	124,90	1007,5	127,62	1040,0	130,33
66	957,0	123,74	990,0	126,51	1023,0	129,26	1056,0	132,00
67	971,5	125,32	1005,0	128,12	1038,5	130,90	1072,0	133,67
68	986,0	126,90	1020,0	129,73	1054,0	132,54	1088,0	135,33
69	1000,5	128,48	1035,0	131,34	1069,5	134,18	1104,0	137,00
70	1015,0	130,06	1050,0	132,95	1085,0	135,81	1120,0	138,66
71	1029,5	131,64	1065,0	134,55	1100,5	137,45	1136,0	140,32
72	1044,0	133,22	1080,0	136,16	1116,0	139,08	1152,0	141,99
73	1058,5	134,80	1095,0	137,77	1131,5	140,72	1168,0	143,65
74	1073,0	136,38	1110,0	139,37	1147,0	142,35	1184,0	145,31
75	1087,5	137,95	1125,0	140,98	1162,5	143,98	1200,0	146,97
76	1102,0	139,53	1140,0	142,58	1178,0	145,62	1216,0	148,63
77	1116,5	141,11	1155,0	144,19	1193,5	147,25	1232,0	150,29
78	1131,0	142,68	1170,0	145,79	1209,0	148,88	1248,0	151,95
79	1145,5	144,26	1185,0	147,39	1224,5	150,51	1264,0	153,61
80	1160,0	145,83	1200,0	149,00	1240,0	152,14	1280,0	155,26
81	1174,5	147,40	1215,0	150,60	1255,5	153,77	1296,0	156,92
82	1189,0	148,98	1230,0	152,20	1271,0	155,40	1312,0	158,58
83	1203,5	150,55	1245,0	153,80	1286,5	157,03	1328,0	160,23
84	1218,0	152,12	1260,0	155,40	1302,0	158,66	1344,0	161,89
85	1232,5	153,70	1275,0	157,00	1317,5	160,28	1360,0	163,54
86	1247,0	155,27	1290,0	158,60	1333,0	161,91	1376,0	165,20
87	1261,5	156,84	1305,0	160,20	1348,5	163,54	1392,0	166,85
88	1276,0	158,41	1320,0	161,80	1364,0	165,17	1408,0	168,51
89	1290,5	159,98	1335,0	163,40	1379,5	166,79	1424,0	170,16
90	1305,0	161,55	1350,0	165,00	1395,0	168,42	1440,0	171,81
91	1319,5	163,13	1365,0	166,60	1410,5	170,04	1456,0	173,47
92	1334,0	164,70	1380,0	168,20	1426,0	171,67	1472,0	175,12
93	1348,5	166,27	1395,0	169,79	1441,5	173,30	1488,0	176,77
94	1363,0	167,84	1410,0	171,39	1457,0	174,92	1504,0	178,42
95	1377,5	169,40	1425,0	172,99	1472,5	176,54	1520,0	180,07
96	1392,0	170,97	1440,0	174,59	1488,0	178,17	1536,0	181,73
97	1406,5	172,54	1455,0	176,18	1503,5	179,79	1552,0	183,38
98	1421,0	174,11	1470,0	177,78	1519,0	181,42	1568,0	185,03
99	1435,5	175,68	1485,0	179,37	1534,5	183,04	1584,0	186,68
100	1450,0	177,25	1500,0	180,97	1550,0	184,66	1600,0	188,33

m =	33		34		35		36	
n	μ	σ	μ	σ	μ	σ	μ	σ
33	544,5	77,97						
34	561,0	79,74	578,0	81,53				
35	577,5	81,49	595,0	83,32	612,5	84,14		
36	594,0	83,25	612,0	85,10	630,0	86,95	648,0	88,79
37	610,5	84,99	629,0	86,88	647,5	88,76	666,0	90,63
38	627,0	86,74	646,0	88,65	665,0	90,56	684,0	92,47
39	643,5	88,48	663,0	90,43	682,5	92,36	702,0	94,30
40	660,0	90,22	680,0	92,20	700,0	94,16	720,0	96,12
41	676,5	91,96	697,0	93,96	717,5	95,96	738,0	97,95
42	693,0	93,69	714,0	95,72	735,0	97,75	756,0	99,77
43	709,5	95,42	731,0	97,48	752,5	99,54	774,0	101,59
44	726,0	97,15	748,0	99,24	770,0	101,33	792,0	103,40
45	742,5	98,87	765,0	101,00	787,5	103,11	810,0	105,21
46	759,0	100,60	782,0	102,75	805,0	104,89	828,0	107,02
47	775,5	102,32	799,0	104,50	822,5	106,67	846,0	108,83
48	792,0	104,04	816,0	106,25	840,0	108,44	864,0	110,63
49	808,5	105,75	833,0	107,99	857,5	110,22	882,0	112,44
50	825,0	107,47	850,0	109,74	875,0	111,99	900,0	114,24
51	841,5	109,18	867,0	111,48	892,5	113,76	918,0	116,03
52	858,0	110,90	884,0	113,22	910,0	115,53	936,0	117,83
53	874,5	112,61	901,0	114,96	927,5	117,29	954,0	119,62
54	891,0	114,32	918,0	116,69	945,0	119,06	972,0	121,42
55	907,5	116,02	935,0	118,43	962,5	120,82	990,0	123,21

m =	33		34		35		36	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
56	924,0	117,73	952,0	120,16	980,0	122,58	1008,0	125,00
57	940,5	119,43	969,0	121,89	997,5	124,34	1026,0	126,78
58	957,0	121,14	986,0	123,62	1015,0	126,10	1044,0	128,57
59	973,5	122,84	1003,0	125,35	1032,5	127,86	1062,0	130,35
60	990,0	124,54	1020,0	127,08	1050,0	129,61	1080,0	132,14
61	1006,5	126,24	1037,0	128,81	1067,5	131,37	1098,0	133,92
62	1023,0	127,94	1054,0	130,54	1085,0	133,12	1116,0	135,70
63	1039,5	129,64	1071,0	132,26	1102,5	134,87	1134,0	137,48
64	1056,0	131,33	1088,0	133,99	1120,0	136,63	1152,0	139,26
65	1072,5	133,03	1105,0	135,71	1137,5	138,38	1170,0	141,03
66	1089,0	134,72	1122,0	137,43	1155,0	140,12	1188,0	142,81
67	1105,5	136,42	1139,0	139,15	1172,5	141,87	1206,0	144,58
68	1122,0	138,11	1156,0	140,87	1190,0	143,62	1224,0	146,36
69	1138,5	139,80	1173,0	142,59	1207,5	145,37	1242,0	148,13
70	1155,0	141,49	1190,0	144,31	1225,0	147,11	1260,0	149,90
71	1171,5	143,18	1207,0	146,03	1242,5	148,86	1278,0	151,67
72	1188,0	144,87	1224,0	147,74	1260,0	150,60	1296,0	153,44
73	1204,5	146,56	1241,0	149,46	1277,5	152,34	1314,0	155,21
74	1221,0	148,25	1258,0	151,17	1295,0	154,08	1332,0	156,98
75	1237,5	149,94	1275,0	152,89	1312,5	155,82	1350,0	158,75
76	1254,0	151,62	1292,0	154,60	1330,0	157,57	1368,0	160,51
77	1270,5	153,31	1309,0	156,32	1347,5	159,30	1386,0	162,28
78	1287,0	155,00	1326,0	158,03	1365,0	161,04	1404,0	164,04
79	1303,5	156,68	1343,0	159,74	1382,5	162,78	1422,0	165,81
80	1320,0	158,37	1360,0	161,45	1400,0	164,52	1440,0	167,57
81	1336,5	160,05	1377,0	163,16	1417,5	166,26	1458,0	169,33
82	1353,0	161,73	1394,0	164,87	1435,0	167,99	1476,0	171,10
83	1369,5	163,42	1411,0	166,58	1452,5	169,73	1494,0	172,86
84	1386,0	165,10	1428,0	168,29	1470,0	171,46	1512,0	174,62
85	1402,5	166,78	1445,0	170,00	1487,5	173,20	1530,0	176,38
86	1419,0	168,46	1462,0	171,71	1505,0	174,93	1548,0	178,14
87	1435,5	170,14	1479,0	173,42	1522,5	176,67	1566,0	179,90
88	1452,0	171,83	1496,0	175,12	1540,0	178,40	1584,0	181,66
89	1468,5	173,51	1513,0	176,83	1557,5	180,13	1602,0	183,42
90	1485,0	175,19	1530,0	178,54	1575,0	181,87	1620,0	185,18
91	1501,5	176,87	1547,0	180,24	1592,5	183,60	1638,0	186,93
92	1518,0	178,54	1564,0	181,95	1610,0	185,33	1656,0	188,69
93	1534,5	180,22	1581,0	183,65	1627,5	187,06	1674,0	190,45
94	1551,0	181,90	1598,0	185,36	1645,0	188,79	1692,0	192,20
95	1567,5	183,58	1615,0	187,06	1662,5	190,52	1710,0	193,96
96	1584,0	185,26	1632,0	188,76	1680,0	192,25	1728,0	195,71
97	1600,5	186,93	1649,0	190,46	1697,5	193,98	1746,0	197,47
98	1617,0	188,61	1666,0	192,17	1715,0	195,71	1764,0	199,22
99	1633,5	190,29	1683,0	193,87	1732,5	197,44	1782,0	200,98
100	1650,0	191,96	1700,0	195,58	1750,0	199,17	1800,0	202,73

m= n ↓	37		- 19 - 38		39		40	
	μ	σ	μ	σ	μ	σ	μ	σ
37	684,5	92,50						
38	703,0	94,37	722,0	96,26				
39	721,5	96,22	741,0	98,15	760,5	100,06		
40	740,0	98,08	760,0	100,03	780,0	101,98	800,0	103,92
41	758,5	99,93	779,0	101,91	799,5	103,89	820,0	105,86
42	777,0	101,78	798,0	103,79	819,0	105,80	840,0	107,80
43	795,5	103,63	817,0	105,67	838,5	107,70	860,0	109,73
44	814,0	105,48	836,0	107,54	858,0	109,60	880,0	111,66
45	832,5	107,31	855,0	109,41	877,5	111,49	900,0	113,58
46	851,0	109,15	874,0	111,27	897,0	113,39	920,0	115,50
47	869,5	110,99	893,0	113,14	916,5	115,28	940,0	117,42
48	888,0	112,82	912,0	115,00	936,0	117,17	960,0	119,33
49	906,5	114,65	931,0	116,85	955,5	119,05	980,0	121,24
50	925,0	116,48	950,0	118,71	975,0	120,93	1000,0	123,15
51	943,5	118,30	969,0	120,56	994,5	122,81	1020,0	125,06
52	962,0	120,12	988,0	122,41	1014,0	124,69	1040,0	126,96
53	980,5	121,94	1007,0	124,26	1033,5	126,57	1060,0	128,87
54	999,0	123,77	1026,0	126,11	1053,0	128,44	1080,0	130,77
55	1017,5	125,58	1045,0	127,95	1072,5	130,31	1100,0	132,66

m=	37		38		39		40	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
56	1036,0	127,40	1064,0	129,80	1092,0	132,18	1120,0	134,56
57	1054,5	129,21	1083,0	131,64	1111,5	134,05	1140,0	136,46
58	1073,0	131,03	1102,0	133,48	1131,0	135,92	1160,0	138,35
59	1091,5	132,84	1121,0	135,31	1150,5	137,78	1180,0	140,24
60	1110,0	134,65	1140,0	137,15	1170,0	139,64	1200,0	142,13
61	1128,5	136,46	1159,0	138,99	1189,5	141,50	1220,0	144,01
62	1147,0	138,26	1178,0	140,82	1209,0	143,36	1240,0	145,90
63	1165,5	140,07	1197,0	142,65	1228,5	145,22	1260,0	147,78
64	1184,0	141,87	1216,0	144,48	1248,0	147,08	1280,0	149,67
65	1202,5	143,68	1235,0	146,31	1267,5	148,93	1300,0	151,55
66	1221,0	145,48	1254,0	148,14	1287,0	150,79	1320,0	153,43
67	1239,5	147,28	1273,0	149,97	1306,5	152,64	1340,0	155,31
68	1258,0	149,08	1292,0	151,79	1326,0	154,49	1360,0	157,18
69	1276,5	150,88	1311,0	153,62	1345,5	156,34	1380,0	159,06
70	1295,0	152,68	1330,0	155,44	1365,0	158,19	1400,0	160,93
71	1313,5	154,47	1349,0	157,26	1384,5	160,04	1420,0	162,81
72	1332,0	156,27	1368,0	159,08	1404,0	161,89	1440,0	164,68
73	1350,5	158,06	1387,0	160,91	1423,5	163,73	1460,0	166,55
74	1369,0	159,86	1406,0	162,73	1443,0	165,58	1480,0	168,43
75	1387,5	161,65	1425,0	164,54	1462,5	167,42	1500,0	170,29
76	1406,0	163,44	1444,0	166,36	1482,0	169,27	1520,0	172,16
77	1424,5	165,24	1463,0	168,18	1501,5	171,11	1540,0	174,03
78	1443,0	167,03	1482,0	170,00	1521,0	172,95	1560,0	175,90
79	1461,5	168,82	1501,0	171,81	1540,5	174,79	1580,0	177,76
80	1480,0	170,61	1520,0	173,63	1560,0	176,64	1600,0	179,63
81	1498,5	172,39	1539,0	175,44	1579,5	178,47	1620,0	181,49
82	1517,0	174,18	1558,0	177,26	1599,0	180,31	1640,0	183,36
83	1535,5	175,97	1577,0	179,07	1618,5	182,15	1660,0	185,22
84	1554,0	177,76	1596,0	180,88	1638,0	183,99	1680,0	187,10
85	1572,5	179,54	1615,0	182,69	1657,5	185,83	1700,0	188,94
86	1591,0	181,33	1634,0	184,50	1677,0	187,66	1720,0	190,81
87	1609,5	183,11	1653,0	186,31	1696,5	189,50	1740,0	192,67
88	1628,0	184,90	1672,0	188,12	1716,0	191,33	1760,0	194,53
89	1646,5	186,68	1691,0	189,93	1735,5	193,17	1780,0	196,38
90	1665,0	188,47	1710,0	191,74	1755,0	195,00	1800,0	198,24
91	1683,5	190,25	1729,0	193,55	1774,5	196,83	1820,0	200,10
92	1702,0	192,03	1748,0	195,36	1794,0	198,67	1840,0	201,96
93	1720,5	193,81	1767,0	197,16	1813,5	200,50	1860,0	203,81
94	1739,0	195,60	1786,0	198,97	1833,0	202,33	1880,0	205,67
95	1757,5	197,38	1805,0	200,78	1852,5	204,16	1900,0	207,53
96	1776,0	199,16	1824,0	202,58	1872,0	205,99	1920,0	209,38
97	1794,5	200,94	1843,0	204,39	1891,5	207,82	1940,0	211,23
98	1813,0	202,72	1862,0	206,19	1911,0	209,65	1960,0	213,09
99	1831,5	204,50	1881,0	208,00	1930,5	211,48	1980,0	214,94
100	1850,0	206,28	1900,0	209,80	1950,0	213,31	2000,0	216,79

m =	41		42		43		44	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
41	840,5	107,83						
42	861,0	109,79	882,0	111,78				
43	881,5	111,75	903,0	113,77	924,5	115,78		
44	902,0	113,71	924,0	115,75	946,0	117,79	968,0	119,83
45	922,5	115,65	945,0	117,73	967,5	119,80	990,0	121,86
46	943,0	117,60	966,0	119,70	989,0	121,80	1012,0	123,89
47	963,5	119,55	987,0	121,68	1010,5	123,80	1034,0	125,92
48	984,0	121,49	1008,0	123,64	1032,0	125,79	1056,0	127,94
49	1004,5	123,43	1029,0	125,61	1053,5	127,78	1078,0	129,96
50	1025,0	125,37	1050,0	127,57	1075,0	129,78	1100,0	131,97
51	1045,5	127,30	1071,0	129,53	1096,5	131,76	1122,0	133,98
52	1066,0	129,23	1092,0	131,49	1118,0	133,75	1144,0	136,00
53	1086,5	131,16	1113,0	133,45	1139,5	135,73	1166,0	138,00
54	1107,0	133,09	1134,0	135,40	1161,0	137,71	1188,0	140,00
55	1127,5	135,01	1155,0	137,35	1182,5	139,68	1210,0	142,01

m =	41		42		43		44	
n	μ	σ	μ	σ	μ	σ	μ	σ
56	1148,0	136,93	1176,0	139,30	1204,0	141,66	1232,0	144,01
57	1168,5	138,85	1197,0	141,24	1225,5	143,63	1254,0	146,01
58	1189,0	140,77	1218,0	143,19	1247,0	145,60	1276,0	148,00
59	1209,5	142,69	1239,0	145,13	1268,5	147,57	1298,0	150,00
60	1230,0	144,60	1260,0	147,07	1290,0	149,53	1320,0	151,99
61	1250,5	146,52	1281,0	149,01	1311,5	151,50	1342,0	153,98
62	1271,0	148,43	1302,0	150,95	1333,0	153,46	1364,0	155,96
63	1291,5	150,34	1323,0	152,88	1354,5	155,42	1386,0	157,95
64	1312,0	152,25	1344,0	154,82	1376,0	157,38	1408,0	159,93
65	1332,5	154,15	1365,0	156,75	1397,5	159,34	1430,0	161,92
66	1353,0	156,06	1386,0	158,68	1419,0	161,29	1452,0	163,90
67	1373,5	157,96	1407,0	160,61	1440,5	163,25	1474,0	165,88
68	1394,0	159,86	1428,0	162,54	1462,0	165,20	1496,0	167,85
69	1414,5	161,77	1449,0	164,46	1483,5	167,15	1518,0	169,83
70	1435,0	163,67	1470,0	166,39	1505,0	169,10	1540,0	171,80
71	1455,5	165,57	1491,0	168,31	1526,5	171,05	1562,0	173,78
72	1476,0	167,46	1512,0	170,24	1548,0	173,00	1584,0	175,75
73	1496,5	169,36	1533,0	172,16	1569,5	174,94	1606,0	177,72
74	1517,0	171,26	1554,0	174,08	1591,0	176,89	1628,0	179,69
75	1537,5	173,15	1575,0	176,00	1612,5	178,83	1650,0	181,66
76	1558,0	175,04	1596,0	177,92	1634,0	180,78	1672,0	183,63
77	1578,5	176,94	1617,0	179,83	1655,5	182,72	1694,0	185,59
78	1599,0	178,83	1638,0	181,75	1677,0	184,66	1716,0	187,56
79	1619,5	180,72	1659,0	183,67	1698,5	186,60	1738,0	189,52
80	1640,0	182,61	1680,0	185,58	1720,0	188,54	1760,0	191,48
81	1660,5	184,50	1701,0	187,49	1741,5	190,48	1782,0	193,45
82	1681,0	186,39	1722,0	189,40	1763,0	192,41	1804,0	195,41
83	1701,5	188,28	1743,0	191,32	1784,5	194,35	1826,0	197,37
84	1722,0	190,16	1764,0	193,23	1806,0	196,28	1848,0	199,33
85	1742,5	192,05	1785,0	195,14	1827,5	198,22	1870,0	201,29
86	1763,0	193,93	1806,0	197,05	1849,0	200,15	1892,0	203,24
87	1783,5	195,82	1827,0	198,96	1870,5	202,09	1914,0	205,20
88	1804,0	197,70	1848,0	200,87	1892,0	204,02	1936,0	207,16
89	1824,5	199,59	1869,0	202,78	1913,5	205,95	1958,0	209,11
90	1845,0	201,47	1890,0	204,68	1935,0	207,88	1980,0	211,07
91	1865,5	203,35	1911,0	206,59	1956,5	209,81	2002,0	213,02
92	1886,0	205,23	1932,0	208,49	1978,0	211,74	2024,0	214,97
93	1906,5	207,11	1953,0	210,40	1999,5	213,67	2046,0	216,93
94	1927,0	208,99	1974,0	212,30	2021,0	215,60	2068,0	218,88
95	1947,5	210,87	1995,0	214,21	2042,5	217,53	2090,0	220,83
96	1968,0	212,75	2016,0	216,11	2064,0	219,45	2112,0	222,78
97	1988,5	214,63	2037,0	218,01	2085,5	221,38	2134,0	224,73
98	2009,0	216,51	2058,0	219,92	2107,0	223,31	2156,0	226,68
99	2029,5	218,38	2079,0	221,82	2128,5	225,23	2178,0	228,63
100	2050,0	220,26	2100,0	223,72	2150,0	227,16	2200,0	230,58

m =	45		46		47		48	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
45	1012,5	123,92						
46	1035,0	125,98	1058,0	128,06				
47	1057,5	128,03	1081,0	130,14	1104,5	132,24		
48	1080,0	130,08	1104,0	132,21	1128,0	134,34	1152,0	136,47
49	1102,5	132,12	1127,0	134,28	1151,5	136,44	1176,0	138,59
50	1125,0	134,16	1150,0	136,35	1175,0	138,54	1200,0	140,71
51	1147,5	136,20	1173,0	138,42	1198,5	140,62	1224,0	142,83
52	1170,0	138,24	1196,0	140,48	1222,0	142,71	1248,0	144,94
53	1192,5	140,27	1219,0	142,54	1245,5	144,80	1272,0	147,05
54	1215,0	142,30	1242,0	144,59	1269,0	146,89	1296,0	149,16
55	1237,5	144,33	1265,0	146,65	1292,5	148,96	1320,0	151,26

m =	45		46		47		48	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
56	1260,0	146,36	1288,0	148,70	1316,0	151,03	1344,0	153,36
57	1282,5	148,38	1311,0	150,74	1339,5	153,10	1368,0	155,46
58	1305,0	150,40	1334,0	152,79	1363,0	155,18	1392,0	157,56
59	1327,5	152,42	1357,0	154,83	1386,5	157,25	1416,0	159,65
60	1350,0	154,43	1380,0	156,88	1410,0	159,31	1440,0	161,74
61	1372,5	156,45	1403,0	158,92	1433,5	161,38	1464,0	163,83
62	1395,0	158,46	1426,0	160,95	1457,0	163,44	1488,0	165,92
63	1417,5	160,47	1449,0	162,99	1480,5	165,50	1512,0	168,00
64	1440,0	162,48	1472,0	165,02	1504,0	167,56	1536,0	170,08
65	1462,5	164,49	1495,0	167,05	1527,5	169,61	1560,0	172,16
66	1485,0	166,49	1518,0	169,08	1551,0	171,67	1584,0	174,24
67	1507,5	168,50	1541,0	171,11	1574,5	173,72	1608,0	176,32
68	1530,0	170,50	1564,0	173,14	1598,0	175,77	1632,0	178,39
69	1552,5	172,50	1587,0	175,16	1621,5	177,82	1656,0	180,47
70	1575,0	174,50	1610,0	177,19	1645,0	179,87	1680,0	182,54
71	1597,5	176,50	1633,0	179,21	1668,5	181,91	1704,0	184,61
72	1620,0	178,49	1656,0	181,23	1692,0	183,96	1728,0	186,68
73	1642,5	180,49	1679,0	183,25	1715,5	186,00	1752,0	188,74
74	1665,0	182,48	1702,0	185,27	1739,0	188,04	1776,0	190,81
75	1687,5	184,48	1725,0	187,28	1762,5	190,08	1800,0	192,87
76	1710,0	186,47	1748,0	189,30	1786,0	192,12	1824,0	194,94
77	1732,5	188,46	1771,0	191,31	1809,5	194,16	1848,0	197,00
78	1755,0	190,45	1794,0	193,33	1833,0	196,20	1872,0	199,06
79	1777,5	192,43	1817,0	195,34	1856,5	198,23	1896,0	201,12
80	1800,0	194,42	1840,0	197,35	1880,0	200,27	1920,0	203,17
81	1822,5	196,41	1863,0	199,36	1903,5	202,30	1944,0	205,23
82	1845,0	198,39	1886,0	201,37	1927,0	204,33	1968,0	207,29
83	1867,5	200,38	1909,0	203,38	1950,5	206,36	1992,0	209,34
84	1890,0	202,36	1932,0	205,38	1974,0	208,39	2016,0	211,40
85	1912,5	204,34	1955,0	207,39	1997,5	210,42	2040,0	213,45
86	1935,0	206,32	1978,0	209,39	2021,0	212,45	2064,0	215,50
87	1957,5	208,31	2001,0	211,40	2044,5	214,48	2088,0	217,55
88	1980,0	210,29	2024,0	213,40	2068,0	216,51	2112,0	219,60
89	2002,5	212,26	2047,0	215,40	2091,5	218,53	2136,0	221,65
90	2025,0	214,24	2070,0	217,40	2115,0	220,56	2160,0	223,70
91	2047,5	216,22	2093,0	219,41	2138,5	222,58	2184,0	225,74
92	2070,0	218,20	2116,0	221,41	2162,0	224,60	2208,0	227,79
93	2092,5	220,17	2139,0	223,41	2185,5	226,63	2232,0	229,83
94	2115,0	222,15	2162,0	225,40	2209,0	228,65	2256,0	231,88
95	2137,5	224,12	2185,0	227,40	2232,5	230,67	2280,0	233,92
96	2160,0	226,10	2208,0	229,40	2256,0	232,69	2304,0	235,97
97	2182,5	228,07	2231,0	231,40	2279,5	234,71	2328,0	238,01
98	2205,0	230,04	2254,0	233,39	2303,0	236,73	2352,0	240,05
99	2227,5	232,02	2277,0	235,39	2326,5	238,75	2376,0	242,09
100	2250,0	233,99	2300,0	237,38	2350,0	240,76	2400,0	244,13

m=	49		50		51		52	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
49	1200,5	140,74						
50	1225,0	142,89	1250,0	145,06				
51	1249,5	145,03	1275,0	147,22	1300,5	149,42		
52	1274,0	147,17	1300,0	149,39	1326,0	151,60	1352,0	153,82
53	1298,5	149,30	1325,0	151,55	1351,5	153,79	1378,0	155,03
54	1323,0	151,43	1350,0	153,70	1377,0	155,97	1404,0	158,23
55	1347,5	153,56	1375,0	155,86	1402,5	158,15	1430,0	160,44
56	1372,0	155,69	1400,0	158,01	1428,0	160,32	1456,0	162,63
57	1396,5	157,81	1425,0	160,16	1453,5	162,50	1482,0	164,83
58	1421,0	159,93	1450,0	162,30	1479,0	164,67	1508,0	167,03
59	1445,5	162,05	1475,0	164,44	1504,5	166,83	1534,0	169,22
60	1470,0	164,16	1500,0	166,58	1530,0	169,00	1560,0	171,41
61	1494,5	166,28	1525,0	168,72	1555,5	171,16	1586,0	173,59
62	1519,0	168,39	1550,0	170,86	1581,0	173,32	1612,0	175,78
63	1543,5	170,50	1575,0	172,99	1606,5	175,47	1638,0	177,96
64	1568,0	172,60	1600,0	175,12	1632,0	177,63	1664,0	180,13
65	1592,5	174,71	1625,0	177,25	1657,5	179,78	1690,0	182,31
66	1617,0	176,81	1650,0	179,37	1683,0	181,93	1716,0	184,48
67	1641,5	178,91	1675,0	181,50	1708,5	184,08	1742,0	186,65
68	1666,0	181,01	1700,0	183,62	1734,0	186,23	1768,0	188,83
69	1690,5	183,11	1725,0	185,74	1759,5	188,37	1794,0	190,99
70	1715,0	185,20	1750,0	187,86	1785,0	190,51	1820,0	193,16
71	1739,5	187,30	1775,0	189,98	1810,5	192,65	1846,0	195,32
72	1764,0	189,39	1800,0	192,09	1836,0	194,79	1872,0	197,48
73	1788,5	191,48	1825,0	194,21	1861,5	196,93	1898,0	199,64
74	1813,0	193,57	1850,0	196,32	1887,0	199,07	1924,0	201,80
75	1837,5	195,66	1875,0	198,43	1912,5	201,20	1950,0	203,96
76	1862,0	197,74	1900,0	200,54	1938,0	203,33	1976,0	206,12
77	1886,5	199,83	1925,0	202,65	1963,5	205,46	2002,0	208,27
78	1911,0	201,91	1950,0	204,76	1989,0	207,59	2028,0	210,42
79	1935,5	203,99	1975,0	206,86	2014,5	209,72	2054,0	212,57
80	1960,0	206,07	2000,0	208,97	2040,0	211,85	2080,0	214,73
81	1984,5	208,15	2025,0	211,07	2065,5	213,97	2106,0	216,87
82	2009,0	210,23	2050,0	213,17	2091,0	216,10	2132,0	219,02
83	2033,5	212,31	2075,0	215,27	2116,5	218,22	2158,0	221,17
84	2058,0	214,39	2100,0	217,37	2142,0	220,35	2184,0	223,31
85	2082,5	216,46	2125,0	219,47	2167,5	222,47	2210,0	225,46
86	2107,0	218,54	2150,0	221,57	2193,0	224,59	2236,0	227,60
87	2131,5	220,61	2175,0	223,66	2218,5	226,70	2262,0	229,74
88	2156,0	222,68	2200,0	225,76	2244,0	228,82	2288,0	231,88
89	2180,5	224,76	2225,0	227,85	2269,5	230,94	2314,0	234,02
90	2205,0	226,83	2250,0	229,95	2295,0	233,06	2340,0	236,16
91	2229,5	228,90	2275,0	232,04	2320,5	235,17	2366,0	238,30
92	2254,0	230,97	2300,0	234,13	2346,0	237,28	2392,0	240,43
93	2278,5	233,03	2325,0	236,22	2371,5	239,40	2418,0	242,57
94	2303,0	235,10	2350,0	238,31	2397,0	241,51	2444,0	244,70
95	2327,5	237,17	2375,0	240,40	2422,5	243,62	2470,0	246,83
96	2352,0	239,23	2400,0	242,49	2448,0	245,73	2496,0	248,97
97	2376,5	241,30	2425,0	244,58	2473,5	247,84	2522,0	251,10
98	2401,0	243,36	2450,0	246,66	2499,0	249,95	2548,0	253,23
99	2425,5	245,42	2475,0	248,75	2524,5	252,06	2574,0	255,36
100	2450,0	247,49	2500,0	250,83	2550,0	254,17	2600,0	257,49

m=	53		54		55		56	
n	μ	σ	μ	σ	μ	σ	μ	σ
53	1404,5	158,26						
54	1431,0	160,49	1458,0	162,75				
55	1457,5	162,72	1485,0	165,00	1512,5	167,28		
56	1484,0	164,95	1512,0	167,25	1540,0	169,55	1568,0	171,84
57	1510,5	167,16	1539,0	169,49	1567,5	171,82	1596,0	174,14
58	1537,0	169,38	1566,0	171,74	1595,0	174,08	1624,0	176,43
59	1563,5	171,60	1593,0	173,97	1622,5	176,35	1652,0	178,71
60	1590,0	173,81	1620,0	176,21	1650,0	178,61	1680,0	181,00
61	1616,5	176,02	1647,0	178,44	1677,5	180,86	1708,0	183,28
62	1643,0	178,23	1674,0	180,67	1705,0	183,12	1736,0	185,55
63	1669,5	180,43	1701,0	182,90	1732,5	185,37	1764,0	187,83
64	1696,0	182,63	1728,0	185,13	1760,0	187,62	1792,0	190,10
65	1722,5	184,83	1755,0	187,35	1787,5	189,86	1820,0	192,37
66	1749,0	187,03	1782,0	189,57	1815,0	192,11	1848,0	194,64
67	1775,5	189,22	1809,0	191,79	1842,5	194,35	1876,0	196,90
68	1802,0	191,42	1836,0	194,01	1870,0	196,59	1904,0	199,17
69	1828,5	193,61	1863,0	196,22	1897,5	198,82	1932,0	201,42
70	1855,0	195,80	1890,0	198,43	1925,0	201,06	1960,0	203,68
71	1881,5	197,98	1917,0	200,64	1952,5	203,29	1988,0	205,94
72	1908,0	200,17	1944,0	202,85	1980,0	205,52	2016,0	208,19
73	1934,5	202,35	1971,0	205,06	2007,5	207,75	2044,0	210,44
74	1961,0	204,54	1998,0	207,26	2035,0	209,98	2072,0	212,69
75	1987,5	206,71	2025,0	209,46	2062,5	212,20	2100,0	214,94
76	2014,0	208,89	2052,0	211,66	2090,0	214,43	2128,0	217,19
77	2040,5	211,07	2079,0	213,86	2117,5	216,65	2156,0	219,43
78	2067,0	213,25	2106,0	216,06	2145,0	218,87	2184,0	221,68
79	2093,5	215,42	2133,0	218,26	2172,5	221,09	2212,0	223,92
80	2120,0	217,59	2160,0	220,45	2200,0	223,31	2240,0	226,16
81	2146,5	219,76	2187,0	222,65	2227,5	225,52	2268,0	228,39
82	2173,0	221,93	2214,0	224,84	2255,0	227,74	2296,0	230,63
83	2199,5	224,10	2241,0	227,03	2282,5	229,95	2324,0	232,87
84	2226,0	226,27	2268,0	229,22	2310,0	232,16	2352,0	235,10
85	2252,5	228,44	2295,0	231,41	2337,5	234,37	2380,0	237,33
86	2279,0	230,60	2322,0	233,60	2365,0	236,58	2408,0	239,56
87	2305,5	232,76	2349,0	235,78	2392,5	238,79	2436,0	241,79
88	2332,0	234,92	2376,0	237,97	2420,0	241,00	2464,0	244,02
89	2358,5	237,08	2403,0	240,15	2447,5	243,20	2492,0	246,25
90	2385,0	239,25	2430,0	242,33	2475,0	245,41	2520,0	248,48
91	2411,5	241,41	2457,0	244,51	2502,5	247,61	2548,0	250,70
92	2438,0	243,57	2484,0	246,69	2530,0	249,81	2576,0	252,92
93	2464,5	245,72	2511,0	248,87	2557,5	252,01	2604,0	255,15
94	2491,0	247,88	2538,0	251,05	2585,0	254,21	2632,0	257,37
95	2517,5	250,04	2565,0	253,23	2612,5	256,41	2660,0	259,59
96	2544,0	252,19	2592,0	255,41	2640,0	258,61	2688,0	261,81
97	2570,5	254,34	2619,0	257,58	2667,5	260,81	2716,0	264,03
98	2597,0	256,50	2646,0	259,76	2695,0	263,01	2744,0	266,25
99	2623,5	258,65	2673,0	261,93	2722,5	265,20	2772,0	268,46
100	2650,0	260,80	2700,0	264,10	2750,0	267,39	2800,0	270,68

m =	57		58		59		60	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
57	1624,5	176,45						
58	1653,0	178,77	1682,0	181,11				
59	1681,5	181,08	1711,0	183,44	1740,5	185,79		
60	1710,0	183,38	1740,0	185,77	1770,0	188,15	1800,0	190,53
61	1738,5	185,69	1769,0	188,10	1799,5	190,50	1830,0	192,90
62	1767,0	187,99	1798,0	190,42	1829,0	192,85	1860,0	195,27
63	1795,5	190,29	1827,0	192,74	1858,5	195,19	1890,0	197,64
64	1824,0	192,58	1856,0	195,06	1888,0	197,53	1920,0	200,00
65	1852,5	194,87	1885,0	197,38	1917,5	199,87	1950,0	202,36
66	1881,0	197,16	1914,0	199,69	1947,0	202,20	1980,0	204,72
67	1909,5	199,45	1943,0	202,00	1976,5	204,54	2010,0	207,07
68	1938,0	201,74	1972,0	204,30	2006,0	206,87	2040,0	209,43
69	1966,5	204,02	2001,0	206,61	2035,5	209,20	2070,0	211,78
70	1995,0	206,30	2030,0	208,91	2065,0	211,52	2100,0	214,13
71	2023,5	208,58	2059,0	211,22	2094,5	213,85	2130,0	216,47
72	2052,0	210,86	2088,0	213,51	2124,0	216,17	2160,0	218,81
73	2080,5	213,13	2117,0	215,81	2153,5	218,48	2190,0	221,16
74	2109,0	215,40	2146,0	218,11	2183,0	220,80	2220,0	223,49
75	2137,5	217,67	2175,0	220,40	2212,5	223,12	2250,0	225,83
76	2166,0	219,94	2204,0	222,69	2242,0	225,43	2280,0	228,17
77	2194,5	222,21	2233,0	224,98	2271,5	227,74	2310,0	230,50
78	2223,0	224,47	2262,0	227,26	2301,0	230,05	2340,0	232,83
79	2251,5	226,74	2291,0	229,55	2330,5	232,36	2370,0	235,16
80	2280,0	229,00	2320,0	231,83	2360,0	234,66	2400,0	237,49
81	2308,5	231,26	2349,0	234,12	2389,5	236,97	2430,0	239,81
82	2337,0	233,52	2378,0	236,40	2419,0	239,27	2460,0	242,14
83	2365,5	235,77	2407,0	238,68	2448,5	241,57	2490,0	244,46
84	2394,0	238,03	2436,0	240,95	2478,0	243,87	2520,0	246,78
85	2422,5	240,28	2465,0	243,23	2507,5	246,17	2550,0	249,10
86	2451,0	242,54	2494,0	245,50	2537,0	248,46	2580,0	251,42
87	2479,5	244,79	2523,0	247,78	2566,5	250,76	2610,0	253,73
88	2508,0	247,04	2552,0	250,05	2596,0	253,05	2640,0	256,05
89	2536,5	249,29	2581,0	252,32	2625,5	255,34	2670,0	258,36
90	2565,0	251,54	2610,0	254,59	2655,0	257,63	2700,0	260,67
91	2593,5	253,78	2639,0	256,86	2684,5	259,92	2730,0	262,98
92	2622,0	256,03	2668,0	259,12	2714,0	262,21	2760,0	265,29
93	2650,5	258,27	2697,0	261,39	2743,5	264,50	2790,0	267,60
94	2679,0	260,51	2726,0	263,65	2773,0	266,78	2820,0	269,91
95	2707,5	262,76	2755,0	265,92	2802,5	269,07	2850,0	272,21
96	2736,0	265,00	2784,0	268,18	2832,0	271,35	2880,0	274,52
97	2764,5	267,24	2813,0	270,44	2861,5	273,63	2910,0	276,82
98	2793,0	269,48	2842,0	272,70	2891,0	275,92	2940,0	279,12
99	2821,5	271,71	2871,0	274,96	2920,5	278,20	2970,0	281,42
100	2850,0	273,95	2900,0	277,22	2950,0	280,48	3000,0	283,72

m=	61		62		63		64	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
61	1860,5	195,30						
62	1891,0	197,69	1922,0	200,10				
63	1921,5	200,08	1953,0	202,52	1984,5	204,95		
64	1952,0	202,46	1984,0	204,93	2016,0	207,38	2048,0	209,84
65	1982,5	204,85	2015,0	207,33	2047,5	209,81	2080,0	212,29
66	2013,0	207,23	2046,0	209,73	2079,0	212,24	2112,0	214,74
67	2043,5	209,61	2077,0	212,13	2110,5	214,66	2144,0	217,18
68	2074,0	211,98	2108,0	214,53	2142,0	217,08	2176,0	219,62
69	2104,5	214,35	2139,0	216,93	2173,5	219,50	2208,0	222,06
70	2135,0	216,73	2170,0	219,32	2205,0	221,91	2240,0	224,50
71	2165,5	219,09	2201,0	221,71	2236,5	224,32	2272,0	226,93
72	2196,0	221,46	2232,0	224,10	2268,0	226,73	2304,0	229,36
73	2226,5	223,82	2263,0	226,48	2299,5	229,14	2336,0	231,79
74	2257,0	226,18	2294,0	228,87	2331,0	231,54	2368,0	234,22
75	2287,5	228,54	2325,0	231,25	2362,5	233,95	2400,0	236,64
76	2318,0	230,90	2356,0	233,62	2394,0	236,35	2432,0	239,06
77	2348,5	233,25	2387,0	236,00	2425,5	238,74	2464,0	241,48
78	2379,0	235,61	2418,0	238,38	2457,0	241,14	2496,0	243,90
79	2409,5	237,96	2449,0	240,75	2488,5	243,53	2528,0	246,32
80	2440,0	240,30	2480,0	243,12	2520,0	245,93	2560,0	248,73
81	2470,5	242,65	2511,0	245,49	2551,5	248,32	2592,0	251,14
82	2501,0	245,00	2542,0	247,85	2583,0	250,70	2624,0	253,55
83	2531,5	247,34	2573,0	250,22	2614,5	253,09	2656,0	255,96
84	2562,0	249,68	2604,0	252,58	2646,0	255,48	2688,0	258,36
85	2592,5	252,02	2635,0	254,94	2677,5	257,86	2720,0	260,77
86	2623,0	254,36	2666,0	257,30	2709,0	260,24	2752,0	263,17
87	2653,5	256,70	2697,0	259,66	2740,5	262,62	2784,0	265,57
88	2684,0	259,04	2728,0	262,02	2772,0	265,00	2816,0	267,97
89	2714,5	261,37	2759,0	264,38	2803,5	267,37	2848,0	270,37
90	2745,0	263,70	2790,0	266,73	2835,0	269,75	2880,0	272,76
91	2775,5	266,04	2821,0	269,08	2866,5	272,12	2912,0	275,16
92	2806,0	268,37	2852,0	271,43	2898,0	274,49	2944,0	277,55
93	2836,5	270,70	2883,0	273,78	2929,5	276,87	2976,0	279,94
94	2867,0	273,02	2914,0	276,13	2961,0	279,24	3008,0	282,33
95	2897,5	275,35	2945,0	278,48	2992,5	281,60	3040,0	284,72
96	2928,0	277,68	2976,0	280,83	3024,0	283,97	3072,0	287,11
97	2958,5	280,00	3007,0	283,17	3055,5	286,34	3104,0	289,50
98	2989,0	282,32	3038,0	285,52	3087,0	288,70	3136,0	291,88
99	3019,5	284,65	3069,0	287,86	3118,5	291,06	3168,0	294,26
100	3050,0	286,97	3100,0	290,20	3150,0	293,43	3200,0	296,65

m =	65		66		67		68	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
65	2112,5	214,76						
66	2145,0	217,23	2170,0	219,72				
67	2177,5	219,70	2211,0	222,21	2244,5	224,72		
68	2210,0	222,16	2244,0	224,70	2278,0	227,24	2312,0	229,76
69	2242,5	224,62	2277,0	227,18	2311,5	229,74	2346,0	232,29
70	2275,0	227,08	2310,0	229,66	2345,0	232,24	2380,0	234,81
71	2307,5	229,54	2343,0	232,14	2378,5	234,74	2414,0	237,33
72	2340,0	231,99	2376,0	234,61	2412,0	237,23	2448,0	239,85
73	2372,5	234,44	2409,0	237,09	2445,5	239,73	2482,0	242,36
74	2405,0	236,88	2442,0	239,56	2479,0	242,22	2516,0	244,88
75	2437,5	239,34	2475,0	242,02	2512,5	244,71	2550,0	247,39
76	2470,0	241,78	2508,0	244,49	2546,0	247,19	2584,0	249,89
77	2502,5	244,22	2541,0	246,95	2579,5	249,68	2618,0	252,40
78	2535,0	246,66	2574,0	249,41	2613,0	252,16	2652,0	254,90
79	2567,5	249,09	2607,0	251,87	2646,5	254,63	2686,0	257,40
80	2600,0	251,53	2640,0	254,32	2680,0	257,11	2720,0	259,90
81	2632,5	253,96	2673,0	256,78	2713,5	259,59	2754,0	262,39
82	2665,0	256,39	2706,0	259,23	2747,0	262,06	2788,0	264,89
83	2697,5	258,82	2739,0	261,68	2780,5	264,53	2822,0	267,38
84	2730,0	261,25	2772,0	264,12	2814,0	267,00	2856,0	269,87
85	2762,5	263,67	2805,0	266,57	2847,5	269,46	2890,0	272,35
86	2795,0	266,09	2838,0	269,02	2881,0	271,93	2924,0	274,84
87	2827,5	268,52	2871,0	271,46	2914,5	274,39	2958,0	277,32
88	2860,0	270,94	2904,0	273,90	2948,0	276,85	2992,0	279,80
89	2892,5	273,35	2937,0	276,34	2981,5	279,31	3026,0	282,28
90	2925,0	275,77	2970,0	278,77	3015,0	281,77	3060,0	284,76
91	2957,5	278,19	3003,0	281,21	3048,5	284,23	3094,0	287,24
92	2990,0	280,60	3036,0	283,64	3082,0	286,68	3128,0	289,72
93	3022,5	283,01	3069,0	286,08	3115,5	289,14	3162,0	292,19
94	3055,0	285,42	3102,0	288,51	3149,0	291,59	3196,0	294,66
95	3087,5	287,83	3135,0	290,94	3182,5	294,04	3230,0	297,13
96	3120,0	290,24	3168,0	293,37	3216,0	296,49	3264,0	299,60
97	3152,5	292,65	3201,0	295,79	3249,5	298,93	3298,0	302,07
98	3185,0	295,05	3234,0	298,22	3283,0	301,38	3332,0	304,53
99	3217,5	297,46	3267,0	300,64	3316,5	303,82	3366,0	307,00
100	3250,0	299,86	3300,0	303,07	3350,0	306,27	3400,0	309,46

m=	69		70		71		72	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
69	2380,5	234,8						
70	2415,0	237,4	2450,0	240,0				
71	2449,5	239,9	2485,0	242,5	2520,5	245,1		
72	2484,0	242,5	2520,0	245,1	2556,0	247,7	2592,0	250,3
73	2518,5	245,0	2555,0	247,6	2591,5	250,3	2628,0	252,9
74	2553,0	247,5	2590,0	250,2	2627,0	252,8	2664,0	255,5
75	2587,5	250,1	2625,0	252,7	2662,5	255,4	2700,0	258,1
76	2622,0	252,6	2660,0	255,3	2698,0	258,0	2736,0	260,7
77	2656,5	255,1	2695,0	257,8	2733,5	260,5	2772,0	263,2
78	2691,0	257,6	2730,0	260,4	2769,0	263,1	2808,0	265,8
79	2725,5	260,2	2765,0	262,9	2804,0	265,7	2844,0	268,4
80	2760,0	262,7	2800,0	265,5	2840,0	268,2	2880,0	271,0
81	2794,5	265,2	2835,0	268,0	2875,5	270,8	2916,0	273,6
82	2829,0	267,7	2870,0	270,5	2911,0	273,3	2952,0	276,2
83	2863,5	270,2	2905,0	273,1	2946,5	275,9	2988,0	278,7
84	2898,0	272,7	2940,0	275,6	2982,0	278,4	3024,0	281,3
85	2932,5	275,2	2975,0	278,1	3017,5	281,0	3060,0	283,9
86	2967,0	277,7	3010,0	280,6	3053,0	283,5	3096,0	286,4
87	3001,5	280,2	3045,0	283,2	3088,5	286,1	3132,0	289,0
88	3036,0	282,8	3080,0	285,7	3124,0	288,6	3168,0	291,6
89	3070,5	285,3	3115,0	288,2	3159,5	291,2	3204,0	294,1
90	3105,0	287,7	3150,0	290,7	3195,0	293,7	3240,0	296,7
91	3139,5	290,2	3185,0	293,3	3230,5	296,2	3276,0	299,2
92	3174,0	292,7	3220,0	295,8	3266,0	298,8	3312,0	301,8
93	3208,5	295,2	3255,0	298,3	3301,5	301,3	3348,0	304,4
94	3243,0	297,7	3290,0	300,8	3337,0	303,8	3384,0	306,9
95	3277,5	300,2	3325,0	303,3	3372,5	306,4	3420,0	309,4
96	3312,0	302,7	3360,0	305,8	3408,0	308,9	3456,0	312,0
97	3346,5	305,2	3395,0	308,3	3443,5	311,4	3492,0	314,6
98	3381,0	307,7	3430,0	310,8	3479,0	314,0	3528,0	317,1
99	3415,5	310,2	3465,0	313,3	3514,5	316,5	3564,0	319,6
100	3450,0	312,6	3500,0	315,8	3550,0	319,0	3600,0	322,2

m=	73		74		75		76	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
73	2664,5	255,6						
74	2701,0	258,1	2738,0	260,8				
75	2737,5	260,7	2775,0	263,4	2812,5	266,0		
76	2774,0	263,3	2812,0	266,0	2850,0	268,7	2888,0	271,4
77	2810,5	266,0	2849,0	268,7	2887,5	271,3	2926,0	274,0
78	2847,0	268,6	2886,0	271,3	2925,0	274,0	2964,0	276,7
79	2883,5	271,2	2923,0	273,9	2962,5	276,6	3002,0	279,4
80	2920,0	273,8	2960,0	276,5	3000,0	279,3	3040,0	282,0
81	2956,5	276,4	2997,0	279,1	3037,5	281,9	3078,0	284,7
82	2993,0	279,0	3034,0	281,8	3075,0	284,6	3116,0	287,4
83	3029,5	281,6	3071,0	284,4	3112,5	287,2	3154,0	290,0
84	3066,0	284,1	3108,0	287,0	3150,0	289,8	3192,0	292,7
85	3102,5	286,7	3145,0	289,6	3187,5	292,5	3230,0	295,3
86	3139,0	289,3	3182,0	292,2	3225,0	295,1	3268,0	298,0
87	3175,5	291,9	3219,0	294,8	3262,5	297,7	3306,0	300,6
88	3212,0	294,5	3256,0	297,4	3300,0	300,3	3344,0	303,3
89	3248,5	297,1	3293,0	300,0	3337,5	303,0	3382,0	305,9
90	3285,0	299,6	3330,0	302,6	3375,0	305,6	3420,0	308,5
91	3321,5	302,2	3367,0	305,2	3412,5	308,2	3458,0	311,2
92	3358,0	304,8	3404,0	307,8	3450,0	310,8	3496,0	313,8
93	3394,5	307,4	3441,0	310,4	3487,5	313,4	3534,0	316,4
94	3431,0	309,9	3478,0	313,0	3525,0	316,0	3572,0	319,1
95	3467,5	312,5	3515,0	315,6	3562,5	318,6	3610,0	321,7
96	3504,0	315,1	3552,0	318,2	3600,0	321,2	3648,0	324,3
97	3540,5	317,7	3589,0	320,8	3637,5	323,9	3686,0	326,9
98	3577,0	320,2	3626,0	323,3	3675,0	326,5	3724,0	329,6
99	3613,5	322,8	3663,0	325,9	3712,5	329,1	3762,0	332,2
100	3650,0	325,3	3700,0	328,5	3750,0	331,7	3800,0	334,8

-32 -									
m=	77		78		79		80		
n ↓	μ	σ	μ	σ	μ	σ	μ	σ	
77	2964,5	276,7							
78	3003,0	279,4	3042,0	282,1					
79	3041,5	282,1	3081,0	284,8	3120,5	287,6			
80	3080,0	284,8	3120,0	287,5	3160,0	290,3	3200,0	293,0	
81	3118,5	287,5	3159,0	290,2	3199,5	293,0	3240,0	295,8	
82	3157,0	290,2	3198,0	292,9	3239,0	295,7	3280,0	298,5	
83	3195,5	292,8	3237,0	295,6	3278,5	298,4	3320,0	301,2	
84	3234,0	295,5	3276,0	298,3	3318,0	301,1	3360,0	304,0	
85	3272,5	298,2	3315,0	301,0	3357,5	303,9	3400,0	306,7	
86	3311,0	300,8	3354,0	303,7	3397,0	306,6	3440,0	309,4	
87	3349,5	303,5	3393,0	306,4	3436,5	309,3	3480,0	312,2	
88	3388,0	306,2	3432,0	309,1	3476,0	312,0	3520,0	314,9	
89	3426,5	308,8	3471,0	311,8	3515,5	314,7	3560,0	317,6	
90	3465,0	311,5	3510,0	314,4	3555,0	317,4	3600,0	320,3	
91	3503,5	314,1	3549,0	317,1	3594,5	320,1	3640,0	323,0	
92	3542,0	316,8	3588,0	319,8	3634,0	322,8	3680,0	325,7	
93	3580,5	319,4	3627,0	322,4	3673,5	325,5	3720,0	328,5	
94	3619,0	322,1	3666,0	325,1	3713,0	328,1	3760,0	331,2	
95	3657,5	324,7	3705,0	327,8	3752,5	330,8	3800,0	333,9	
96	3696,0	327,4	3744,0	330,5	3792,0	333,5	3840,0	336,6	
97	3734,5	330,0	3783,0	332,1	3831,5	336,2	3880,0	339,3	
98	3773,0	332,7	3822,0	335,8	3871,0	338,9	3920,0	342,0	
99	3811,5	335,3	3861,0	338,4	3910,5	341,6	3960,0	344,7	
100	3850,0	338,0	3900,0	341,1	3950,0	344,2	4000,0	347,4	

m=	81		82		83		84		
n ↓	μ	σ	μ	σ	μ	σ	μ	σ	
81	3280,5	298,5							
82	3321,0	301,3	3362,0	304,1					
83	3361,5	304,0	3403,0	306,8	3444,5	309,6	35		
84	3402,0	306,8	3444,0	309,6	3486,0	312,4	3528,0	315,2	
85	3442,5	309,5	3485,0	312,4	3527,5	315,2	3570,0	318,0	
86	3483,0	312,3	3526,0	315,1	3569,0	318,0	3612,0	320,8	
87	3523,5	315,0	3567,0	317,9	3610,5	320,8	3654,0	323,7	
88	3564,0	317,8	3608,0	320,7	3652,0	323,6	3696,0	326,5	
89	3604,5	320,5	3649,0	323,4	3693,5	326,3	3738,0	329,2	
90	3645,0	323,2	3690,0	326,2	3735,0	329,1	3780,0	332,0	
91	3685,5	326,0	3731,0	328,9	3776,5	331,9	3822,0	334,8	
92	3726,0	328,7	3772,0	331,7	3818,0	334,6	3864,0	337,6	
93	3766,5	331,4	3813,0	334,4	3859,5	337,4	3906,0	340,4	
94	3807,0	334,2	3854,0	337,2	3901,0	340,2	3948,0	343,2	
95	3847,5	336,9	3895,0	339,9	3942,5	343,0	3990,0	346,0	
96	3888,0	339,6	3936,0	342,7	3984,0	345,7	4032,0	348,8	
97	3928,5	342,3	3977,0	345,4	4025,5	348,5	4074,0	351,5	
98	3969,0	345,1	4018,0	348,2	4067,0	351,2	4116,0	354,3	
99	4009,5	347,8	4059,0	350,9	4108,5	354,0	4158,0	357,1	
100	4050,0	350,5	4100,0	353,6	4150,0	356,7	4200,0	359,9	

m =	85		86		87		88	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
85	3612,5	320,9						
86	3655,0	323,7	3698,0	326,5				
87	3697,5	326,5	3741,0	329,4	3784,5	332,2		
88	3740,0	329,3	3784,0	332,2	3828,0	335,1	3872,0	338,0
89	3782,5	332,1	3827,0	335,1	3871,5	337,9	3916,0	340,8
90	3825,0	335,0	3870,0	337,9	3915,0	340,8	3960,0	343,7
91	3867,5	337,8	3913,0	340,7	3958,5	343,6	4004,0	346,6
92	3910,0	340,6	3956,0	343,5	4002,0	346,5	4048,0	349,4
93	3952,5	343,4	3999,0	346,4	4045,5	349,3	4092,0	352,3
94	3995,0	346,2	4042,0	349,2	4089,0	352,2	4136,0	355,1
95	4037,5	349,0	4085,0	352,0	4132,5	355,0	4180,0	358,1
96	4080,0	351,8	4128,0	354,8	4176,0	357,9	4224,0	360,8
97	4122,5	354,6	4171,0	357,6	4219,5	360,7	4268,0	363,7
98	4165,0	357,4	4214,0	360,4	4263,0	363,6	4312,0	366,6
99	4207,5	360,2	4257,0	363,3	4306,5	366,3	4356,0	369,5
100	4250,0	363,0	4300,0	366,1	4350,0	369,2	4400,0	372,3

m =	89		90		91		92	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
89	3960,5	343,8						
90	4005,0	346,7	4050,0	349,6				
91	4049,5	349,6	4095,0	352,4	4140,5	355,4		
92	4094,0	352,4	4140,0	355,3	4186,0	358,3	4232,0	361,2
93	4138,5	355,2	4185,0	358,2	4231,5	361,2	4278,0	364,1
94	4183,0	358,2	4230,0	361,1	4277,0	364,1	4324,0	367,2
95	4227,5	361,0	4275,0	364,0	4322,5	367,0	4370,0	370,0
96	4272,0	363,9	4320,0	366,9	4368,0	370,0	4416,0	373,0
97	4316,5	366,7	4365,0	369,9	4413,5	372,9	4462,0	375,9
98	4361,0	369,6	4410,0	372,7	4459,0	375,8	4508,0	378,8
99	4405,5	372,5	4455,0	375,6	4504,5	378,7	4554,0	381,7
100	4450,0	375,4	4500,0	378,4	4550,0	381,6	4600,0	384,7

m =	93		94		95		96	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
93	4324,5	367,2						
94	4371,0	370,1	4418,0	373,1				
95	4417,5	373,1	4465,0	376,0	4512,5	378,9		
96	4464,0	376,0	4512,0	378,9	4560,0	382,0	4608,0	385,0
97	4510,5	378,9	4559,0	382,0	4607,5	385,0	4656,0	387,9
98	4557,0	381,8	4606,0	385,0	4655,0	387,9	4704,0	391,0
99	4603,5	384,8	4653,0	387,8	4702,5	390,9	4752,0	394,0
100	4650,0	387,7	4700,0	390,9	4750,0	394,0	4800,0	397,0

m =	97		98		99		100	
n ↓	μ	σ	μ	σ	μ	σ	μ	σ
97	4704,5	391,0						
98	4753,0	394,1	4802,0	397,1				
99	4801,5	397,0	4851,0	400,1	4900,5	403,1		
100	4850,0	400,1	4900,0	403,1	4950,0	406,2	5000,0	409,3

TABLE II

t	$t(t-1)(t+1)$	t	$t(t-1)(t+1)$
1	0	51	132600
2	6	52	140556
3	24	53	148824
4	60	54	157410
5	120	55	166320
6	210	56	175560
7	336	57	185136
8	504	58	195054
9	720	59	205320
10	990	60	215940
11	1320	61	226920
12	1716	62	238266
13	2184	63	249984
14	2730	64	262080
15	3360	65	274560
16	4080	66	287430
17	4896	67	300696
18	5814	68	314364
19	6840	69	328440
20	7980	70	342930
21	9240	71	357840
22	10626	72	373176
23	12144	73	388944
24	13800	74	405150
25	15600	75	421800
26	17550	76	438900
27	19656	77	456456
28	21924	78	474474
29	24360	79	492960
30	26970	80	511920
31	29760	81	531360
32	32736	82	551286
33	35904	83	571704
34	39270	84	592620
35	42840	85	614040
36	46620	86	635970
37	50616	87	658416
38	54834	88	681334
39	59280	89	704880
40	63960	90	728910
41	68880	91	753480
42	74046	92	778596
43	79464	93	804264
44	85140	94	830490
45	91080	95	857280
46	97290	96	884640
47	103776	97	912576
48	110544	98	941094
49	117600	99	970200
50	124950	100	999900