

DN	Dy (мм)	Radius (мм)	Угол (°)	Длина дуги (внутр.) (мм)	Длина дуги (наружн.) (мм)
15	21.3	28	1	0.3	0.67
15	21.3	28	2	0.61	1.35
15	21.3	28	3	0.91	2.02
15	21.3	28	4	1.21	2.7
15	21.3	28	5	1.51	3.37
15	21.3	28	6	1.82	4.05
15	21.3	28	7	2.12	4.72
15	21.3	28	8	2.42	5.4
15	21.3	28	9	2.73	6.07
15	21.3	28	10	3.03	6.75
15	21.3	28	11	3.33	7.42
15	21.3	28	12	3.63	8.09
15	21.3	28	13	3.94	8.77
15	21.3	28	14	4.24	9.44
15	21.3	28	15	4.54	10.12
15	21.3	28	16	4.85	10.79
15	21.3	28	17	5.15	11.47
15	21.3	28	18	5.45	12.14
15	21.3	28	19	5.75	12.82
15	21.3	28	20	6.06	13.49
15	21.3	28	21	6.36	14.17
15	21.3	28	22	6.66	14.84
15	21.3	28	23	6.96	15.52
15	21.3	28	24	7.27	16.19
15	21.3	28	25	7.57	16.86
15	21.3	28	26	7.87	17.54
15	21.3	28	27	8.18	18.21
15	21.3	28	28	8.48	18.89
15	21.3	28	29	8.78	19.56
15	21.3	28	30	9.08	20.24
15	21.3	28	31	9.39	20.91
15	21.3	28	32	9.69	21.59
15	21.3	28	33	9.99	22.26
15	21.3	28	34	10.3	22.94
15	21.3	28	35	10.6	23.61
15	21.3	28	36	10.9	24.28
15	21.3	28	37	11.2	24.96
15	21.3	28	38	11.51	25.63
15	21.3	28	39	11.81	26.31
15	21.3	28	40	12.11	26.98
15	21.3	28	41	12.42	27.66
15	21.3	28	42	12.72	28.33
15	21.3	28	43	13.02	29.01
15	21.3	28	44	13.32	29.68
15	21.3	28	45	13.63	30.36
15	21.3	28	46	13.93	31.03

DN	Dy (мм)	Radius (мм)	Угол (°)	Длина дуги (внутр.) (мм)	Длина дуги (наружн.) (мм)
15	21.3	28	47	14.23	31.7
15	21.3	28	48	14.54	32.38
15	21.3	28	49	14.84	33.05
15	21.3	28	50	15.14	33.73
15	21.3	28	51	15.44	34.4
15	21.3	28	52	15.75	35.08
15	21.3	28	53	16.05	35.75
15	21.3	28	54	16.35	36.43
15	21.3	28	55	16.65	37.1
15	21.3	28	56	16.96	37.78
15	21.3	28	57	17.26	38.45
15	21.3	28	58	17.56	39.13
15	21.3	28	59	17.87	39.8
15	21.3	28	60	18.17	40.47
15	21.3	28	61	18.47	41.15
15	21.3	28	62	18.77	41.82
15	21.3	28	63	19.08	42.5
15	21.3	28	64	19.38	43.17
15	21.3	28	65	19.68	43.85
15	21.3	28	66	19.99	44.52
15	21.3	28	67	20.29	45.2
15	21.3	28	68	20.59	45.87
15	21.3	28	69	20.89	46.55
15	21.3	28	70	21.2	47.22
15	21.3	28	71	21.5	47.89
15	21.3	28	72	21.8	48.57
15	21.3	28	73	22.11	49.24
15	21.3	28	74	22.41	49.92
15	21.3	28	75	22.71	50.59
15	21.3	28	76	23.01	51.27
15	21.3	28	77	23.32	51.94
15	21.3	28	78	23.62	52.62
15	21.3	28	79	23.92	53.29
15	21.3	28	80	24.23	53.97
15	21.3	28	81	24.53	54.64
15	21.3	28	82	24.83	55.31
15	21.3	28	83	25.13	55.99
15	21.3	28	84	25.44	56.66
15	21.3	28	85	25.74	57.34
15	21.3	28	86	26.04	58.01
15	21.3	28	87	26.34	58.69
15	21.3	28	88	26.65	59.36
15	21.3	28	89	26.95	60.04
15	21.3	28	90	27.25	60.71
20	26	29	1	0.28	0.73
20	26	29	2	0.56	1.47

DN	Dy (мм)	Radius (мм)	Угол (°)	Длина дуги (внутр.) (мм)	Длина дуги (наружн.) (мм)
20	26	29	3	0.84	2.2
20	26	29	4	1.12	2.93
20	26	29	5	1.4	3.67
20	26	29	6	1.68	4.4
20	26	29	7	1.95	5.13
20	26	29	8	2.23	5.86
20	26	29	9	2.51	6.6
20	26	29	10	2.79	7.33
20	26	29	11	3.07	8.06
20	26	29	12	3.35	8.8
20	26	29	13	3.63	9.53
20	26	29	14	3.91	10.26
20	26	29	15	4.19	11
20	26	29	16	4.47	11.73
20	26	29	17	4.75	12.46
20	26	29	18	5.03	13.19
20	26	29	19	5.31	13.93
20	26	29	20	5.59	14.66
20	26	29	21	5.86	15.39
20	26	29	22	6.14	16.13
20	26	29	23	6.42	16.86
20	26	29	24	6.7	17.59
20	26	29	25	6.98	18.33
20	26	29	26	7.26	19.06
20	26	29	27	7.54	19.79
20	26	29	28	7.82	20.53
20	26	29	29	8.1	21.26
20	26	29	30	8.38	21.99
20	26	29	31	8.66	22.72
20	26	29	32	8.94	23.46
20	26	29	33	9.22	24.19
20	26	29	34	9.49	24.92
20	26	29	35	9.77	25.66
20	26	29	36	10.05	26.39
20	26	29	37	10.33	27.12
20	26	29	38	10.61	27.86
20	26	29	39	10.89	28.59
20	26	29	40	11.17	29.32
20	26	29	41	11.45	30.05
20	26	29	42	11.73	30.79
20	26	29	43	12.01	31.52
20	26	29	44	12.29	32.25
20	26	29	45	12.57	32.99
20	26	29	46	12.85	33.72
20	26	29	47	13.12	34.45
20	26	29	48	13.4	35.19

20	26	29	49	13.68	35.92
20	26	29	50	13.96	36.65
20	26	29	51	14.24	37.38
20	26	29	52	14.52	38.12
20	26	29	53	14.8	38.85
20	26	29	54	15.08	39.58
20	26	29	55	15.36	40.32
20	26	29	56	15.64	41.05
20	26	29	57	15.92	41.78
20	26	29	58	16.2	42.52
20	26	29	59	16.48	43.25
20	26	29	60	16.76	43.98
20	26	29	61	17.03	44.72
20	26	29	62	17.31	45.45
20	26	29	63	17.59	46.18
20	26	29	64	17.87	46.91
20	26	29	65	18.15	47.65
20	26	29	66	18.43	48.38
20	26	29	67	18.71	49.11
20	26	29	68	18.99	49.85
20	26	29	69	19.27	50.58
20	26	29	70	19.55	51.31
20	26	29	71	19.83	52.05
20	26	29	72	20.11	52.78
20	26	29	73	20.39	53.51
20	26	29	74	20.66	54.24
20	26	29	75	20.94	54.98
20	26	29	76	21.22	55.71
20	26	29	77	21.5	56.44
20	26	29	78	21.78	57.18
20	26	29	79	22.06	57.91
20	26	29	80	22.34	58.64
20	26	29	81	22.62	59.38
20	26	29	82	22.9	60.11
20	26	29	83	23.18	60.84
20	26	29	84	23.46	61.58
20	26	29	85	23.74	62.31
20	26	29	86	24.02	63.04
20	26	29	87	24.29	63.77
20	26	29	88	24.57	64.51
20	26	29	89	24.85	65.24
20	26	29	90	25.13	65.97
25	33.7	38	1	0.37	0.96
25	33.7	38	2	0.74	1.91
25	33.7	38	3	1.11	2.87
25	33.7	38	4	1.48	3.83
25	33.7	38	5	1.85	4.79
25	33.7	38	6	2.21	5.74
25	33.7	38	7	2.58	6.7
25	33.7	38	8	2.95	7.66

25	33.7	38	9	3.32	8.62
25	33.7	38	10	3.69	9.57
25	33.7	38	11	4.06	10.53
25	33.7	38	12	4.43	11.49
25	33.7	38	13	4.8	12.45
25	33.7	38	14	5.17	13.4
25	33.7	38	15	5.54	14.36
25	33.7	38	16	5.91	15.32
25	33.7	38	17	6.28	16.27
25	33.7	38	18	6.64	17.23
25	33.7	38	19	7.01	18.19
25	33.7	38	20	7.38	19.15
25	33.7	38	21	7.75	20.1
25	33.7	38	22	8.12	21.06
25	33.7	38	23	8.49	22.02
25	33.7	38	24	8.86	22.98
25	33.7	38	25	9.23	23.93
25	33.7	38	26	9.6	24.89
25	33.7	38	27	9.97	25.85
25	33.7	38	28	10.34	26.8
25	33.7	38	29	10.7	27.76
25	33.7	38	30	11.07	28.72
25	33.7	38	31	11.44	29.68
25	33.7	38	32	11.81	30.63
25	33.7	38	33	12.18	31.59
25	33.7	38	34	12.55	32.55
25	33.7	38	35	12.92	33.51
25	33.7	38	36	13.29	34.46
25	33.7	38	37	13.66	35.42
25	33.7	38	38	14.03	36.38
25	33.7	38	39	14.4	37.34
25	33.7	38	40	14.77	38.29
25	33.7	38	41	15.13	39.25
25	33.7	38	42	15.5	40.21
25	33.7	38	43	15.87	41.16
25	33.7	38	44	16.24	42.12
25	33.7	38	45	16.61	43.08
25	33.7	38	46	16.98	44.04
25	33.7	38	47	17.35	44.99
25	33.7	38	48	17.72	45.95
25	33.7	38	49	18.09	46.91
25	33.7	38	50	18.46	47.87
25	33.7	38	51	18.83	48.82
25	33.7	38	52	19.2	49.78
25	33.7	38	53	19.56	50.74
25	33.7	38	54	19.93	51.69
25	33.7	38	55	20.3	52.65
25	33.7	38	56	20.67	53.61
25	33.7	38	57	21.04	54.57
25	33.7	38	58	21.41	55.52

25	33.7	38	59	21.78	56.48
25	33.7	38	60	22.15	57.44
25	33.7	38	61	22.52	58.4
25	33.7	38	62	22.89	59.35
25	33.7	38	63	23.26	60.31
25	33.7	38	64	23.62	61.27
25	33.7	38	65	23.99	62.23
25	33.7	38	66	24.36	63.18
25	33.7	38	67	24.73	64.14
25	33.7	38	68	25.1	65.1
25	33.7	38	69	25.47	66.05
25	33.7	38	70	25.84	67.01
25	33.7	38	71	26.21	67.97
25	33.7	38	72	26.58	68.93
25	33.7	38	73	26.95	69.88
25	33.7	38	74	27.32	70.84
25	33.7	38	75	27.69	71.8
25	33.7	38	76	28.05	72.76
25	33.7	38	77	28.42	73.71
25	33.7	38	78	28.79	74.67
25	33.7	38	79	29.16	75.63
25	33.7	38	80	29.53	76.59
25	33.7	38	81	29.9	77.54
25	33.7	38	82	30.27	78.5
25	33.7	38	83	30.64	79.46
25	33.7	38	84	31.01	80.41
25	33.7	38	85	31.38	81.37
25	33.7	38	86	31.75	82.33
25	33.7	38	87	32.11	83.29
25	33.7	38	88	32.48	84.24
25	33.7	38	89	32.85	85.2
25	33.7	38	90	33.22	86.16
32	42.2	48	1	0.47	1.21
32	42.2	48	2	0.94	2.41
32	42.2	48	3	1.41	3.62
32	42.2	48	4	1.88	4.82
32	42.2	48	5	2.35	6.03
32	42.2	48	6	2.82	7.24
32	42.2	48	7	3.29	8.44
32	42.2	48	8	3.76	9.65
32	42.2	48	9	4.23	10.85
32	42.2	48	10	4.69	12.06
32	42.2	48	11	5.16	13.27
32	42.2	48	12	5.63	14.47
32	42.2	48	13	6.1	15.68
32	42.2	48	14	6.57	16.88
32	42.2	48	15	7.04	18.09
32	42.2	48	16	7.51	19.3
32	42.2	48	17	7.98	20.5
32	42.2	48	18	8.45	21.71

32	42.2	48	19	8.92	22.91
32	42.2	48	20	9.39	24.12
32	42.2	48	21	9.86	25.33
32	42.2	48	22	10.33	26.53
32	42.2	48	23	10.8	27.74
32	42.2	48	24	11.27	28.94
32	42.2	48	25	11.74	30.15
32	42.2	48	26	12.21	31.36
32	42.2	48	27	12.68	32.56
32	42.2	48	28	13.15	33.77
32	42.2	48	29	13.62	34.97
32	42.2	48	30	14.08	36.18
32	42.2	48	31	14.55	37.39
32	42.2	48	32	15.02	38.59
32	42.2	48	33	15.49	39.8
32	42.2	48	34	15.96	41
32	42.2	48	35	16.43	42.21
32	42.2	48	36	16.9	43.42
32	42.2	48	37	17.37	44.62
32	42.2	48	38	17.84	45.83
32	42.2	48	39	18.31	47.03
32	42.2	48	40	18.78	48.24
32	42.2	48	41	19.25	49.45
32	42.2	48	42	19.72	50.65
32	42.2	48	43	20.19	51.86
32	42.2	48	44	20.66	53.06
32	42.2	48	45	21.13	54.27
32	42.2	48	46	21.6	55.48
32	42.2	48	47	22.07	56.68
32	42.2	48	48	22.54	57.89
32	42.2	48	49	23.01	59.1
32	42.2	48	50	23.47	60.3
32	42.2	48	51	23.94	61.51
32	42.2	48	52	24.41	62.71
32	42.2	48	53	24.88	63.92
32	42.2	48	54	25.35	65.13
32	42.2	48	55	25.82	66.33
32	42.2	48	56	26.29	67.54
32	42.2	48	57	26.76	68.74
32	42.2	48	58	27.23	69.95
32	42.2	48	59	27.7	71.16
32	42.2	48	60	28.17	72.36
32	42.2	48	61	28.64	73.57
32	42.2	48	62	29.11	74.77
32	42.2	48	63	29.58	75.98
32	42.2	48	64	30.05	77.19
32	42.2	48	65	30.52	78.39
32	42.2	48	66	30.99	79.6
32	42.2	48	67	31.46	80.8
32	42.2	48	68	31.93	82.01

32	42.2	48	69	32.4	83.22
32	42.2	48	70	32.86	84.42
32	42.2	48	71	33.33	85.63
32	42.2	48	72	33.8	86.83
32	42.2	48	73	34.27	88.04
32	42.2	48	74	34.74	89.25
32	42.2	48	75	35.21	90.45
32	42.2	48	76	35.68	91.66
32	42.2	48	77	36.15	92.86
32	42.2	48	78	36.62	94.07
32	42.2	48	79	37.09	95.28
32	42.2	48	80	37.56	96.48
32	42.2	48	81	38.03	97.69
32	42.2	48	82	38.5	98.89
32	42.2	48	83	38.97	100.1
32	42.2	48	84	39.44	101.31
32	42.2	48	85	39.91	102.51
32	42.2	48	86	40.38	103.72
32	42.2	48	87	40.85	104.92
32	42.2	48	88	41.32	106.13
32	42.2	48	89	41.78	107.34
32	42.2	48	90	42.25	108.54
40	48.3	57	1	0.57	1.42
40	48.3	57	2	1.15	2.83
40	48.3	57	3	1.72	4.25
40	48.3	57	4	2.29	5.67
40	48.3	57	5	2.87	7.08
40	48.3	57	6	3.44	8.5
40	48.3	57	7	4.01	9.91
40	48.3	57	8	4.59	11.33
40	48.3	57	9	5.16	12.75
40	48.3	57	10	5.73	14.16
40	48.3	57	11	6.31	15.58
40	48.3	57	12	6.88	17
40	48.3	57	13	7.45	18.41
40	48.3	57	14	8.03	19.83
40	48.3	57	15	8.6	21.25
40	48.3	57	16	9.17	22.66
40	48.3	57	17	9.75	24.08
40	48.3	57	18	10.32	25.49
40	48.3	57	19	10.89	26.91
40	48.3	57	20	11.47	28.33
40	48.3	57	21	12.04	29.74
40	48.3	57	22	12.61	31.16
40	48.3	57	23	13.19	32.58
40	48.3	57	24	13.76	33.99
40	48.3	57	25	14.33	35.41
40	48.3	57	26	14.91	36.82
40	48.3	57	27	15.48	38.24
40	48.3	57	28	16.05	39.66

40	48.3	57	29	16.63	41.07
40	48.3	57	30	17.2	42.49
40	48.3	57	31	17.77	43.91
40	48.3	57	32	18.35	45.32
40	48.3	57	33	18.92	46.74
40	48.3	57	34	19.49	48.16
40	48.3	57	35	20.07	49.57
40	48.3	57	36	20.64	50.99
40	48.3	57	37	21.21	52.4
40	48.3	57	38	21.79	53.82
40	48.3	57	39	22.36	55.24
40	48.3	57	40	22.93	56.65
40	48.3	57	41	23.51	58.07
40	48.3	57	42	24.08	59.49
40	48.3	57	43	24.65	60.9
40	48.3	57	44	25.23	62.32
40	48.3	57	45	25.8	63.74
40	48.3	57	46	26.37	65.15
40	48.3	57	47	26.95	66.57
40	48.3	57	48	27.52	67.98
40	48.3	57	49	28.09	69.4
40	48.3	57	50	28.67	70.82
40	48.3	57	51	29.24	72.23
40	48.3	57	52	29.81	73.65
40	48.3	57	53	30.39	75.07
40	48.3	57	54	30.96	76.48
40	48.3	57	55	31.53	77.9
40	48.3	57	56	32.11	79.31
40	48.3	57	57	32.68	80.73
40	48.3	57	58	33.25	82.15
40	48.3	57	59	33.83	83.56
40	48.3	57	60	34.4	84.98
40	48.3	57	61	34.97	86.4
40	48.3	57	62	35.55	87.81
40	48.3	57	63	36.12	89.23
40	48.3	57	64	36.69	90.65
40	48.3	57	65	37.27	92.06
40	48.3	57	66	37.84	93.48
40	48.3	57	67	38.41	94.89
40	48.3	57	68	38.99	96.31
40	48.3	57	69	39.56	97.73
40	48.3	57	70	40.13	99.14
40	48.3	57	71	40.71	100.56
40	48.3	57	72	41.28	101.98
40	48.3	57	73	41.85	103.39
40	48.3	57	74	42.43	104.81
40	48.3	57	75	43	106.23
40	48.3	57	76	43.57	107.64
40	48.3	57	77	44.15	109.06
40	48.3	57	78	44.72	110.47

40	48.3	57	79	45.29	111.89
40	48.3	57	80	45.87	113.31
40	48.3	57	81	46.44	114.72
40	48.3	57	82	47.01	116.14
40	48.3	57	83	47.59	117.56
40	48.3	57	84	48.16	118.97
40	48.3	57	85	48.73	120.39
40	48.3	57	86	49.31	121.8
40	48.3	57	87	49.88	123.22
40	48.3	57	88	50.45	124.64
40	48.3	57	89	51.03	126.05
40	48.3	57	90	51.6	127.47
50	60.3	76	1	0.8	1.85
50	60.3	76	2	1.6	3.71
50	60.3	76	3	2.4	5.56
50	60.3	76	4	3.2	7.41
50	60.3	76	5	4	9.26
50	60.3	76	6	4.8	11.12
50	60.3	76	7	5.6	12.97
50	60.3	76	8	6.4	14.82
50	60.3	76	9	7.2	16.67
50	60.3	76	10	8	18.53
50	60.3	76	11	8.8	20.38
50	60.3	76	12	9.6	22.23
50	60.3	76	13	10.4	24.08
50	60.3	76	14	11.2	25.94
50	60.3	76	15	12	27.79
50	60.3	76	16	12.8	29.64
50	60.3	76	17	13.6	31.5
50	60.3	76	18	14.4	33.35
50	60.3	76	19	15.2	35.2
50	60.3	76	20	16	37.05
50	60.3	76	21	16.8	38.91
50	60.3	76	22	17.61	40.76
50	60.3	76	23	18.41	42.61
50	60.3	76	24	19.21	44.46
50	60.3	76	25	20.01	46.32
50	60.3	76	26	20.81	48.17
50	60.3	76	27	21.61	50.02
50	60.3	76	28	22.41	51.87
50	60.3	76	29	23.21	53.73
50	60.3	76	30	24.01	55.58
50	60.3	76	31	24.81	57.43
50	60.3	76	32	25.61	59.29
50	60.3	76	33	26.41	61.14
50	60.3	76	34	27.21	62.99
50	60.3	76	35	28.01	64.84
50	60.3	76	36	28.81	66.7
50	60.3	76	37	29.61	68.55
50	60.3	76	38	30.41	70.4

50	60.3	76	39	31.21	72.25
50	60.3	76	40	32.01	74.11
50	60.3	76	41	32.81	75.96
50	60.3	76	42	33.61	77.81
50	60.3	76	43	34.41	79.66
50	60.3	76	44	35.21	81.52
50	60.3	76	45	36.01	83.37
50	60.3	76	46	36.81	85.22
50	60.3	76	47	37.61	87.08
50	60.3	76	48	38.41	88.93
50	60.3	76	49	39.21	90.78
50	60.3	76	50	40.01	92.63
50	60.3	76	51	40.81	94.49
50	60.3	76	52	41.61	96.34
50	60.3	76	53	42.41	98.19
50	60.3	76	54	43.21	100.04
50	60.3	76	55	44.01	101.9
50	60.3	76	56	44.81	103.75
50	60.3	76	57	45.61	105.6
50	60.3	76	58	46.41	107.45
50	60.3	76	59	47.21	109.31
50	60.3	76	60	48.01	111.16
50	60.3	76	61	48.81	113.01
50	60.3	76	62	49.61	114.87
50	60.3	76	63	50.41	116.72
50	60.3	76	64	51.21	118.57
50	60.3	76	65	52.02	120.42
50	60.3	76	66	52.82	122.28
50	60.3	76	67	53.62	124.13
50	60.3	76	68	54.42	125.98
50	60.3	76	69	55.22	127.83
50	60.3	76	70	56.02	129.69
50	60.3	76	71	56.82	131.54
50	60.3	76	72	57.62	133.39
50	60.3	76	73	58.42	135.24
50	60.3	76	74	59.22	137.1
50	60.3	76	75	60.02	138.95
50	60.3	76	76	60.82	140.8
50	60.3	76	77	61.62	142.66
50	60.3	76	78	62.42	144.51
50	60.3	76	79	63.22	146.36
50	60.3	76	80	64.02	148.21
50	60.3	76	81	64.82	150.07
50	60.3	76	82	65.62	151.92
50	60.3	76	83	66.42	153.77
50	60.3	76	84	67.22	155.62
50	60.3	76	85	68.02	157.48
50	60.3	76	86	68.82	159.33
50	60.3	76	87	69.62	161.18
50	60.3	76	88	70.42	163.03

50	60.3	76	89	71.22	164.89
50	60.3	76	90	72.02	166.74
65	76.1	95	1	0.99	2.32
65	76.1	95	2	1.99	4.64
65	76.1	95	3	2.98	6.97
65	76.1	95	4	3.98	9.29
65	76.1	95	5	4.97	11.61
65	76.1	95	6	5.96	13.93
65	76.1	95	7	6.96	16.26
65	76.1	95	8	7.95	18.58
65	76.1	95	9	8.95	20.9
65	76.1	95	10	9.94	23.22
65	76.1	95	11	10.93	25.54
65	76.1	95	12	11.93	27.87
65	76.1	95	13	12.92	30.19
65	76.1	95	14	13.92	32.51
65	76.1	95	15	14.91	34.83
65	76.1	95	16	15.9	37.15
65	76.1	95	17	16.9	39.48
65	76.1	95	18	17.89	41.8
65	76.1	95	19	18.89	44.12
65	76.1	95	20	19.88	46.44
65	76.1	95	21	20.87	48.77
65	76.1	95	22	21.87	51.09
65	76.1	95	23	22.86	53.41
65	76.1	95	24	23.86	55.73
65	76.1	95	25	24.85	58.05
65	76.1	95	26	25.84	60.38
65	76.1	95	27	26.84	62.7
65	76.1	95	28	27.83	65.02
65	76.1	95	29	28.82	67.34
65	76.1	95	30	29.82	69.66
65	76.1	95	31	30.81	71.99
65	76.1	95	32	31.81	74.31
65	76.1	95	33	32.8	76.63
65	76.1	95	34	33.79	78.95
65	76.1	95	35	34.79	81.28
65	76.1	95	36	35.78	83.6
65	76.1	95	37	36.78	85.92
65	76.1	95	38	37.77	88.24
65	76.1	95	39	38.76	90.56
65	76.1	95	40	39.76	92.89
65	76.1	95	41	40.75	95.21
65	76.1	95	42	41.75	97.53
65	76.1	95	43	42.74	99.85
65	76.1	95	44	43.73	102.18
65	76.1	95	45	44.73	104.5
65	76.1	95	46	45.72	106.82
65	76.1	95	47	46.72	109.14
65	76.1	95	48	47.71	111.46

65	76.1	95	49	48.7	113.79
65	76.1	95	50	49.7	116.11
65	76.1	95	51	50.69	118.43
65	76.1	95	52	51.69	120.75
65	76.1	95	53	52.68	123.07
65	76.1	95	54	53.67	125.4
65	76.1	95	55	54.67	127.72
65	76.1	95	56	55.66	130.04
65	76.1	95	57	56.66	132.36
65	76.1	95	58	57.65	134.69
65	76.1	95	59	58.64	137.01
65	76.1	95	60	59.64	139.33
65	76.1	95	61	60.63	141.65
65	76.1	95	62	61.63	143.97
65	76.1	95	63	62.62	146.3
65	76.1	95	64	63.61	148.62
65	76.1	95	65	64.61	150.94
65	76.1	95	66	65.6	153.26
65	76.1	95	67	66.6	155.58
65	76.1	95	68	67.59	157.91
65	76.1	95	69	68.58	160.23
65	76.1	95	70	69.58	162.55
65	76.1	95	71	70.57	164.87
65	76.1	95	72	71.57	167.2
65	76.1	95	73	72.56	169.52
65	76.1	95	74	73.55	171.84
65	76.1	95	75	74.55	174.16
65	76.1	95	76	75.54	176.48
65	76.1	95	77	76.54	178.81
65	76.1	95	78	77.53	181.13
65	76.1	95	79	78.52	183.45
65	76.1	95	80	79.52	185.77
65	76.1	95	81	80.51	188.1
65	76.1	95	82	81.51	190.42
65	76.1	95	83	82.5	192.74
65	76.1	95	84	83.49	195.06
65	76.1	95	85	84.49	197.38
65	76.1	95	86	85.48	199.71
65	76.1	95	87	86.47	202.03
65	76.1	95	88	87.47	204.35
65	76.1	95	89	88.46	206.67
65	76.1	95	90	89.46	208.99
80	88.9	114	1	1.21	2.77
80	88.9	114	2	2.43	5.53
80	88.9	114	3	3.64	8.3
80	88.9	114	4	4.86	11.06
80	88.9	114	5	6.07	13.83
80	88.9	114	6	7.28	16.59
80	88.9	114	7	8.5	19.36
80	88.9	114	8	9.71	22.12

80	88.9	114	9	10.92	24.89
80	88.9	114	10	12.14	27.65
80	88.9	114	11	13.35	30.42
80	88.9	114	12	14.57	33.19
80	88.9	114	13	15.78	35.95
80	88.9	114	14	16.99	38.72
80	88.9	114	15	18.21	41.48
80	88.9	114	16	19.42	44.25
80	88.9	114	17	20.64	47.01
80	88.9	114	18	21.85	49.78
80	88.9	114	19	23.06	52.54
80	88.9	114	20	24.28	55.31
80	88.9	114	21	25.49	58.07
80	88.9	114	22	26.71	60.84
80	88.9	114	23	27.92	63.61
80	88.9	114	24	29.13	66.37
80	88.9	114	25	30.35	69.14
80	88.9	114	26	31.56	71.9
80	88.9	114	27	32.77	74.67
80	88.9	114	28	33.99	77.43
80	88.9	114	29	35.2	80.2
80	88.9	114	30	36.42	82.96
80	88.9	114	31	37.63	85.73
80	88.9	114	32	38.84	88.5
80	88.9	114	33	40.06	91.26
80	88.9	114	34	41.27	94.03
80	88.9	114	35	42.49	96.79
80	88.9	114	36	43.7	99.56
80	88.9	114	37	44.91	102.32
80	88.9	114	38	46.13	105.09
80	88.9	114	39	47.34	107.85
80	88.9	114	40	48.56	110.62
80	88.9	114	41	49.77	113.38
80	88.9	114	42	50.98	116.15
80	88.9	114	43	52.2	118.92
80	88.9	114	44	53.41	121.68
80	88.9	114	45	54.62	124.45
80	88.9	114	46	55.84	127.21
80	88.9	114	47	57.05	129.98
80	88.9	114	48	58.27	132.74
80	88.9	114	49	59.48	135.51
80	88.9	114	50	60.69	138.27
80	88.9	114	51	61.91	141.04
80	88.9	114	52	63.12	143.8
80	88.9	114	53	64.34	146.57
80	88.9	114	54	65.55	149.34
80	88.9	114	55	66.76	152.1
80	88.9	114	56	67.98	154.87
80	88.9	114	57	69.19	157.63
80	88.9	114	58	70.4	160.4

80	88.9	114	59	71.62	163.16
80	88.9	114	60	72.83	165.93
80	88.9	114	61	74.05	168.69
80	88.9	114	62	75.26	171.46
80	88.9	114	63	76.47	174.22
80	88.9	114	64	77.69	176.99
80	88.9	114	65	78.9	179.76
80	88.9	114	66	80.12	182.52
80	88.9	114	67	81.33	185.29
80	88.9	114	68	82.54	188.05
80	88.9	114	69	83.76	190.82
80	88.9	114	70	84.97	193.58
80	88.9	114	71	86.19	196.35
80	88.9	114	72	87.4	199.11
80	88.9	114	73	88.61	201.88
80	88.9	114	74	89.83	204.65
80	88.9	114	75	91.04	207.41
80	88.9	114	76	92.25	210.18
80	88.9	114	77	93.47	212.94
80	88.9	114	78	94.68	215.71
80	88.9	114	79	95.9	218.47
80	88.9	114	80	97.11	221.24
80	88.9	114	81	98.32	224
80	88.9	114	82	99.54	226.77
80	88.9	114	83	100.75	229.53
80	88.9	114	84	101.97	232.3
80	88.9	114	85	103.18	235.07
80	88.9	114	86	104.39	237.83
80	88.9	114	87	105.61	240.6
80	88.9	114	88	106.82	243.36
80	88.9	114	89	108.04	246.13
80	88.9	114	90	109.25	248.89
100	114.3	152	1	1.66	3.65
100	114.3	152	2	3.31	7.3
100	114.3	152	3	4.97	10.95
100	114.3	152	4	6.62	14.6
100	114.3	152	5	8.28	18.25
100	114.3	152	6	9.93	21.9
100	114.3	152	7	11.59	25.55
100	114.3	152	8	13.24	29.2
100	114.3	152	9	14.9	32.85
100	114.3	152	10	16.55	36.5
100	114.3	152	11	18.21	40.15
100	114.3	152	12	19.87	43.8
100	114.3	152	13	21.52	47.45
100	114.3	152	14	23.18	51.1
100	114.3	152	15	24.83	54.76
100	114.3	152	16	26.49	58.41
100	114.3	152	17	28.14	62.06
100	114.3	152	18	29.8	65.71

100	114.3	152	19	31.45	69.36
100	114.3	152	20	33.11	73.01
100	114.3	152	21	34.76	76.66
100	114.3	152	22	36.42	80.31
100	114.3	152	23	38.08	83.96
100	114.3	152	24	39.73	87.61
100	114.3	152	25	41.39	91.26
100	114.3	152	26	43.04	94.91
100	114.3	152	27	44.7	98.56
100	114.3	152	28	46.35	102.21
100	114.3	152	29	48.01	105.86
100	114.3	152	30	49.66	109.51
100	114.3	152	31	51.32	113.16
100	114.3	152	32	52.97	116.81
100	114.3	152	33	54.63	120.46
100	114.3	152	34	56.29	124.11
100	114.3	152	35	57.94	127.76
100	114.3	152	36	59.6	131.41
100	114.3	152	37	61.25	135.06
100	114.3	152	38	62.91	138.71
100	114.3	152	39	64.56	142.36
100	114.3	152	40	66.22	146.01
100	114.3	152	41	67.87	149.66
100	114.3	152	42	69.53	153.31
100	114.3	152	43	71.18	156.97
100	114.3	152	44	72.84	160.62
100	114.3	152	45	74.5	164.27
100	114.3	152	46	76.15	167.92
100	114.3	152	47	77.81	171.57
100	114.3	152	48	79.46	175.22
100	114.3	152	49	81.12	178.87
100	114.3	152	50	82.77	182.52
100	114.3	152	51	84.43	186.17
100	114.3	152	52	86.08	189.82
100	114.3	152	53	87.74	193.47
100	114.3	152	54	89.39	197.12
100	114.3	152	55	91.05	200.77
100	114.3	152	56	92.7	204.42
100	114.3	152	57	94.36	208.07
100	114.3	152	58	96.02	211.72
100	114.3	152	59	97.67	215.37
100	114.3	152	60	99.33	219.02
100	114.3	152	61	100.98	222.67
100	114.3	152	62	102.64	226.32
100	114.3	152	63	104.29	229.97
100	114.3	152	64	105.95	233.62
100	114.3	152	65	107.6	237.27
100	114.3	152	66	109.26	240.92
100	114.3	152	67	110.91	244.57
100	114.3	152	68	112.57	248.22

100	114.3	152	69	114.23	251.87
100	114.3	152	70	115.88	255.52
100	114.3	152	71	117.54	259.18
100	114.3	152	72	119.19	262.83
100	114.3	152	73	120.85	266.48
100	114.3	152	74	122.5	270.13
100	114.3	152	75	124.16	273.78
100	114.3	152	76	125.81	277.43
100	114.3	152	77	127.47	281.08
100	114.3	152	78	129.12	284.73
100	114.3	152	79	130.78	288.38
100	114.3	152	80	132.44	292.03
100	114.3	152	81	134.09	295.68
100	114.3	152	82	135.75	299.33
100	114.3	152	83	137.4	302.98
100	114.3	152	84	139.06	306.63
100	114.3	152	85	140.71	310.28
100	114.3	152	86	142.37	313.93
100	114.3	152	87	144.02	317.58
100	114.3	152	88	145.68	321.23
100	114.3	152	89	147.33	324.88
100	114.3	152	90	148.99	328.53
125	139.7	190	1	2.1	4.54
125	139.7	190	2	4.19	9.07
125	139.7	190	3	6.29	13.61
125	139.7	190	4	8.39	18.14
125	139.7	190	5	10.49	22.68
125	139.7	190	6	12.58	27.21
125	139.7	190	7	14.68	31.75
125	139.7	190	8	16.78	36.28
125	139.7	190	9	18.87	40.82
125	139.7	190	10	20.97	45.35
125	139.7	190	11	23.07	49.89
125	139.7	190	12	25.16	54.42
125	139.7	190	13	27.26	58.96
125	139.7	190	14	29.36	63.49
125	139.7	190	15	31.46	68.03
125	139.7	190	16	33.55	72.56
125	139.7	190	17	35.65	77.1
125	139.7	190	18	37.75	81.63
125	139.7	190	19	39.84	86.17
125	139.7	190	20	41.94	90.7
125	139.7	190	21	44.04	95.24
125	139.7	190	22	46.13	99.78
125	139.7	190	23	48.23	104.31
125	139.7	190	24	50.33	108.85
125	139.7	190	25	52.43	113.38
125	139.7	190	26	54.52	117.92
125	139.7	190	27	56.62	122.45
125	139.7	190	28	58.72	126.99

125	139.7	190	29	60.81	131.52
125	139.7	190	30	62.91	136.06
125	139.7	190	31	65.01	140.59
125	139.7	190	32	67.1	145.13
125	139.7	190	33	69.2	149.66
125	139.7	190	34	71.3	154.2
125	139.7	190	35	73.4	158.73
125	139.7	190	36	75.49	163.27
125	139.7	190	37	77.59	167.8
125	139.7	190	38	79.69	172.34
125	139.7	190	39	81.78	176.87
125	139.7	190	40	83.88	181.41
125	139.7	190	41	85.98	185.94
125	139.7	190	42	88.07	190.48
125	139.7	190	43	90.17	195.02
125	139.7	190	44	92.27	199.55
125	139.7	190	45	94.37	204.09
125	139.7	190	46	96.46	208.62
125	139.7	190	47	98.56	213.16
125	139.7	190	48	100.66	217.69
125	139.7	190	49	102.75	222.23
125	139.7	190	50	104.85	226.76
125	139.7	190	51	106.95	231.3
125	139.7	190	52	109.04	235.83
125	139.7	190	53	111.14	240.37
125	139.7	190	54	113.24	244.9
125	139.7	190	55	115.34	249.44
125	139.7	190	56	117.43	253.97
125	139.7	190	57	119.53	258.51
125	139.7	190	58	121.63	263.04
125	139.7	190	59	123.72	267.58
125	139.7	190	60	125.82	272.11
125	139.7	190	61	127.92	276.65
125	139.7	190	62	130.01	281.18
125	139.7	190	63	132.11	285.72
125	139.7	190	64	134.21	290.26
125	139.7	190	65	136.31	294.79
125	139.7	190	66	138.4	299.33
125	139.7	190	67	140.5	303.86
125	139.7	190	68	142.6	308.4
125	139.7	190	69	144.69	312.93
125	139.7	190	70	146.79	317.47
125	139.7	190	71	148.89	322
125	139.7	190	72	150.98	326.54
125	139.7	190	73	153.08	331.07
125	139.7	190	74	155.18	335.61
125	139.7	190	75	157.28	340.14
125	139.7	190	76	159.37	344.68
125	139.7	190	77	161.47	349.21
125	139.7	190	78	163.57	353.75

125	139.7	190	79	165.66	358.28
125	139.7	190	80	167.76	362.82
125	139.7	190	81	169.86	367.35
125	139.7	190	82	171.96	371.89
125	139.7	190	83	174.05	376.42
125	139.7	190	84	176.15	380.96
125	139.7	190	85	178.25	385.5
125	139.7	190	86	180.34	390.03
125	139.7	190	87	182.44	394.57
125	139.7	190	88	184.54	399.1
125	139.7	190	89	186.63	403.64
125	139.7	190	90	188.73	408.17
150	168.3	229	1	2.53	5.47
150	168.3	229	2	5.06	10.93
150	168.3	229	3	7.58	16.4
150	168.3	229	4	10.11	21.86
150	168.3	229	5	12.64	27.33
150	168.3	229	6	15.17	32.79
150	168.3	229	7	17.7	38.26
150	168.3	229	8	20.22	43.72
150	168.3	229	9	22.75	49.19
150	168.3	229	10	25.28	54.65
150	168.3	229	11	27.81	60.12
150	168.3	229	12	30.34	65.59
150	168.3	229	13	32.87	71.05
150	168.3	229	14	35.39	76.52
150	168.3	229	15	37.92	81.98
150	168.3	229	16	40.45	87.45
150	168.3	229	17	42.98	92.91
150	168.3	229	18	45.51	98.38
150	168.3	229	19	48.03	103.84
150	168.3	229	20	50.56	109.31
150	168.3	229	21	53.09	114.78
150	168.3	229	22	55.62	120.24
150	168.3	229	23	58.15	125.71
150	168.3	229	24	60.67	131.17
150	168.3	229	25	63.2	136.64
150	168.3	229	26	65.73	142.1
150	168.3	229	27	68.26	147.57
150	168.3	229	28	70.79	153.03
150	168.3	229	29	73.32	158.5
150	168.3	229	30	75.84	163.96
150	168.3	229	31	78.37	169.43
150	168.3	229	32	80.9	174.9
150	168.3	229	33	83.43	180.36
150	168.3	229	34	85.96	185.83
150	168.3	229	35	88.48	191.29
150	168.3	229	36	91.01	196.76
150	168.3	229	37	93.54	202.22
150	168.3	229	38	96.07	207.69

150	168.3	229	39	98.6	213.15
150	168.3	229	40	101.12	218.62
150	168.3	229	41	103.65	224.09
150	168.3	229	42	106.18	229.55
150	168.3	229	43	108.71	235.02
150	168.3	229	44	111.24	240.48
150	168.3	229	45	113.76	245.95
150	168.3	229	46	116.29	251.41
150	168.3	229	47	118.82	256.88
150	168.3	229	48	121.35	262.34
150	168.3	229	49	123.88	267.81
150	168.3	229	50	126.41	273.27
150	168.3	229	51	128.93	278.74
150	168.3	229	52	131.46	284.21
150	168.3	229	53	133.99	289.67
150	168.3	229	54	136.52	295.14
150	168.3	229	55	139.05	300.6
150	168.3	229	56	141.57	306.07
150	168.3	229	57	144.1	311.53
150	168.3	229	58	146.63	317
150	168.3	229	59	149.16	322.46
150	168.3	229	60	151.69	327.93
150	168.3	229	61	154.21	333.4
150	168.3	229	62	156.74	338.86
150	168.3	229	63	159.27	344.33
150	168.3	229	64	161.8	349.79
150	168.3	229	65	164.33	355.26
150	168.3	229	66	166.86	360.72
150	168.3	229	67	169.38	366.19
150	168.3	229	68	171.91	371.65
150	168.3	229	69	174.44	377.12
150	168.3	229	70	176.97	382.58
150	168.3	229	71	179.5	388.05
150	168.3	229	72	182.02	393.52
150	168.3	229	73	184.55	398.98
150	168.3	229	74	187.08	404.45
150	168.3	229	75	189.61	409.91
150	168.3	229	76	192.14	415.38
150	168.3	229	77	194.66	420.84
150	168.3	229	78	197.19	426.31
150	168.3	229	79	199.72	431.77
150	168.3	229	80	202.25	437.24
150	168.3	229	81	204.78	442.71
150	168.3	229	82	207.3	448.17
150	168.3	229	83	209.83	453.64
150	168.3	229	84	212.36	459.1
150	168.3	229	85	214.89	464.57
150	168.3	229	86	217.42	470.03
150	168.3	229	87	219.95	475.5
150	168.3	229	88	222.47	480.96

150	168.3	229	89	225	486.43
150	168.3	229	90	227.53	491.89
200	219.1	305	1	3.41	7.24
200	219.1	305	2	6.82	14.47
200	219.1	305	3	10.23	21.71
200	219.1	305	4	13.64	28.94
200	219.1	305	5	17.06	36.18
200	219.1	305	6	20.47	43.41
200	219.1	305	7	23.88	50.65
200	219.1	305	8	27.29	57.88
200	219.1	305	9	30.7	65.12
200	219.1	305	10	34.11	72.35
200	219.1	305	11	37.52	79.59
200	219.1	305	12	40.93	86.82
200	219.1	305	13	44.35	94.06
200	219.1	305	14	47.76	101.29
200	219.1	305	15	51.17	108.53
200	219.1	305	16	54.58	115.76
200	219.1	305	17	57.99	123
200	219.1	305	18	61.4	130.23
200	219.1	305	19	64.81	137.47
200	219.1	305	20	68.22	144.71
200	219.1	305	21	71.64	151.94
200	219.1	305	22	75.05	159.18
200	219.1	305	23	78.46	166.41
200	219.1	305	24	81.87	173.65
200	219.1	305	25	85.28	180.88
200	219.1	305	26	88.69	188.12
200	219.1	305	27	92.1	195.35
200	219.1	305	28	95.51	202.59
200	219.1	305	29	98.93	209.82
200	219.1	305	30	102.34	217.06
200	219.1	305	31	105.75	224.29
200	219.1	305	32	109.16	231.53
200	219.1	305	33	112.57	238.76
200	219.1	305	34	115.98	246
200	219.1	305	35	119.39	253.23
200	219.1	305	36	122.8	260.47
200	219.1	305	37	126.22	267.7
200	219.1	305	38	129.63	274.94
200	219.1	305	39	133.04	282.18
200	219.1	305	40	136.45	289.41
200	219.1	305	41	139.86	296.65
200	219.1	305	42	143.27	303.88
200	219.1	305	43	146.68	311.12
200	219.1	305	44	150.09	318.35
200	219.1	305	45	153.51	325.59
200	219.1	305	46	156.92	332.82
200	219.1	305	47	160.33	340.06
200	219.1	305	48	163.74	347.29

200	219.1	305	49	167.15	354.53
200	219.1	305	50	170.56	361.76
200	219.1	305	51	173.97	369
200	219.1	305	52	177.38	376.23
200	219.1	305	53	180.8	383.47
200	219.1	305	54	184.21	390.7
200	219.1	305	55	187.62	397.94
200	219.1	305	56	191.03	405.17
200	219.1	305	57	194.44	412.41
200	219.1	305	58	197.85	419.65
200	219.1	305	59	201.26	426.88
200	219.1	305	60	204.67	434.12
200	219.1	305	61	208.09	441.35
200	219.1	305	62	211.5	448.59
200	219.1	305	63	214.91	455.82
200	219.1	305	64	218.32	463.06
200	219.1	305	65	221.73	470.29
200	219.1	305	66	225.14	477.53
200	219.1	305	67	228.55	484.76
200	219.1	305	68	231.96	492
200	219.1	305	69	235.38	499.23
200	219.1	305	70	238.79	506.47
200	219.1	305	71	242.2	513.7
200	219.1	305	72	245.61	520.94
200	219.1	305	73	249.02	528.17
200	219.1	305	74	252.43	535.41
200	219.1	305	75	255.84	542.64
200	219.1	305	76	259.25	549.88
200	219.1	305	77	262.67	557.12
200	219.1	305	78	266.08	564.35
200	219.1	305	79	269.49	571.59
200	219.1	305	80	272.9	578.82
200	219.1	305	81	276.31	586.06
200	219.1	305	82	279.72	593.29
200	219.1	305	83	283.13	600.53
200	219.1	305	84	286.54	607.76
200	219.1	305	85	289.96	615
200	219.1	305	86	293.37	622.23
200	219.1	305	87	296.78	629.47
200	219.1	305	88	300.19	636.7
200	219.1	305	89	303.6	643.94
200	219.1	305	90	307.01	651.17
250	273	381	1	4.27	9.03
250	273	381	2	8.53	18.06
250	273	381	3	12.8	27.1
250	273	381	4	17.07	36.13
250	273	381	5	21.34	45.16
250	273	381	6	25.6	54.19
250	273	381	7	29.87	63.22
250	273	381	8	34.14	72.26

250	273	381	9	38.41	81.29
250	273	381	10	42.67	90.32
250	273	381	11	46.94	99.35
250	273	381	12	51.21	108.38
250	273	381	13	55.48	117.42
250	273	381	14	59.74	126.45
250	273	381	15	64.01	135.48
250	273	381	16	68.28	144.51
250	273	381	17	72.54	153.55
250	273	381	18	76.81	162.58
250	273	381	19	81.08	171.61
250	273	381	20	85.35	180.64
250	273	381	21	89.61	189.67
250	273	381	22	93.88	198.71
250	273	381	23	98.15	207.74
250	273	381	24	102.42	216.77
250	273	381	25	106.68	225.8
250	273	381	26	110.95	234.83
250	273	381	27	115.22	243.87
250	273	381	28	119.49	252.9
250	273	381	29	123.75	261.93
250	273	381	30	128.02	270.96
250	273	381	31	132.29	279.99
250	273	381	32	136.55	289.03
250	273	381	33	140.82	298.06
250	273	381	34	145.09	307.09
250	273	381	35	149.36	316.12
250	273	381	36	153.62	325.15
250	273	381	37	157.89	334.19
250	273	381	38	162.16	343.22
250	273	381	39	166.43	352.25
250	273	381	40	170.69	361.28
250	273	381	41	174.96	370.32
250	273	381	42	179.23	379.35
250	273	381	43	183.5	388.38
250	273	381	44	187.76	397.41
250	273	381	45	192.03	406.44
250	273	381	46	196.3	415.48
250	273	381	47	200.56	424.51
250	273	381	48	204.83	433.54
250	273	381	49	209.1	442.57
250	273	381	50	213.37	451.6
250	273	381	51	217.63	460.64
250	273	381	52	221.9	469.67
250	273	381	53	226.17	478.7
250	273	381	54	230.44	487.73
250	273	381	55	234.7	496.76
250	273	381	56	238.97	505.8
250	273	381	57	243.24	514.83
250	273	381	58	247.51	523.86

250	273	381	59	251.77	532.89
250	273	381	60	256.04	541.92
250	273	381	61	260.31	550.96
250	273	381	62	264.57	559.99
250	273	381	63	268.84	569.02
250	273	381	64	273.11	578.05
250	273	381	65	277.38	587.09
250	273	381	66	281.64	596.12
250	273	381	67	285.91	605.15
250	273	381	68	290.18	614.18
250	273	381	69	294.45	623.21
250	273	381	70	298.71	632.25
250	273	381	71	302.98	641.28
250	273	381	72	307.25	650.31
250	273	381	73	311.52	659.34
250	273	381	74	315.78	668.37
250	273	381	75	320.05	677.41
250	273	381	76	324.32	686.44
250	273	381	77	328.58	695.47
250	273	381	78	332.85	704.5
250	273	381	79	337.12	713.53
250	273	381	80	341.39	722.57
250	273	381	81	345.65	731.6
250	273	381	82	349.92	740.63
250	273	381	83	354.19	749.66
250	273	381	84	358.46	758.69
250	273	381	85	362.72	767.73
250	273	381	86	366.99	776.76
250	273	381	87	371.26	785.79
250	273	381	88	375.53	794.82
250	273	381	89	379.79	803.86
250	273	381	90	384.06	812.89
300	323.9	457	1	5.15	10.8
300	323.9	457	2	10.3	21.61
300	323.9	457	3	15.45	32.41
300	323.9	457	4	20.6	43.21
300	323.9	457	5	25.75	54.01
300	323.9	457	6	30.9	64.82
300	323.9	457	7	36.05	75.62
300	323.9	457	8	41.2	86.42
300	323.9	457	9	46.35	97.22
300	323.9	457	10	51.5	108.03
300	323.9	457	11	56.65	118.83
300	323.9	457	12	61.8	129.63
300	323.9	457	13	66.94	140.44
300	323.9	457	14	72.09	151.24
300	323.9	457	15	77.24	162.04
300	323.9	457	16	82.39	172.84
300	323.9	457	17	87.54	183.65
300	323.9	457	18	92.69	194.45

300	323.9	457	19	97.84	205.25
300	323.9	457	20	102.99	216.05
300	323.9	457	21	108.14	226.86
300	323.9	457	22	113.29	237.66
300	323.9	457	23	118.44	248.46
300	323.9	457	24	123.59	259.27
300	323.9	457	25	128.74	270.07
300	323.9	457	26	133.89	280.87
300	323.9	457	27	139.04	291.67
300	323.9	457	28	144.19	302.48
300	323.9	457	29	149.34	313.28
300	323.9	457	30	154.49	324.08
300	323.9	457	31	159.64	334.88
300	323.9	457	32	164.79	345.69
300	323.9	457	33	169.94	356.49
300	323.9	457	34	175.09	367.29
300	323.9	457	35	180.24	378.1
300	323.9	457	36	185.39	388.9
300	323.9	457	37	190.53	399.7
300	323.9	457	38	195.68	410.5
300	323.9	457	39	200.83	421.31
300	323.9	457	40	205.98	432.11
300	323.9	457	41	211.13	442.91
300	323.9	457	42	216.28	453.71
300	323.9	457	43	221.43	464.52
300	323.9	457	44	226.58	475.32
300	323.9	457	45	231.73	486.12
300	323.9	457	46	236.88	496.92
300	323.9	457	47	242.03	507.73
300	323.9	457	48	247.18	518.53
300	323.9	457	49	252.33	529.33
300	323.9	457	50	257.48	540.14
300	323.9	457	51	262.63	550.94
300	323.9	457	52	267.78	561.74
300	323.9	457	53	272.93	572.54
300	323.9	457	54	278.08	583.35
300	323.9	457	55	283.23	594.15
300	323.9	457	56	288.38	604.95
300	323.9	457	57	293.53	615.75
300	323.9	457	58	298.68	626.56
300	323.9	457	59	303.83	637.36
300	323.9	457	60	308.98	648.16
300	323.9	457	61	314.13	658.97
300	323.9	457	62	319.27	669.77
300	323.9	457	63	324.42	680.57
300	323.9	457	64	329.57	691.37
300	323.9	457	65	334.72	702.18
300	323.9	457	66	339.87	712.98
300	323.9	457	67	345.02	723.78
300	323.9	457	68	350.17	734.58

300	323.9	457	69	355.32	745.39
300	323.9	457	70	360.47	756.19
300	323.9	457	71	365.62	766.99
300	323.9	457	72	370.77	777.8
300	323.9	457	73	375.92	788.6
300	323.9	457	74	381.07	799.4
300	323.9	457	75	386.22	810.2
300	323.9	457	76	391.37	821.01
300	323.9	457	77	396.52	831.81
300	323.9	457	78	401.67	842.61
300	323.9	457	79	406.82	853.41
300	323.9	457	80	411.97	864.22
300	323.9	457	81	417.12	875.02
300	323.9	457	82	422.27	885.82
300	323.9	457	83	427.42	896.63
300	323.9	457	84	432.57	907.43
300	323.9	457	85	437.72	918.23
300	323.9	457	86	442.87	929.03
300	323.9	457	87	448.01	939.84
300	323.9	457	88	453.16	950.64
300	323.9	457	89	458.31	961.44
300	323.9	457	90	463.46	972.24
350	355.6	533	1	6.2	12.41
350	355.6	533	2	12.4	24.81
350	355.6	533	3	18.6	37.22
350	355.6	533	4	24.8	49.62
350	355.6	533	5	31	62.03
350	355.6	533	6	37.2	74.43
350	355.6	533	7	43.4	86.84
350	355.6	533	8	49.6	99.25
350	355.6	533	9	55.79	111.65
350	355.6	533	10	61.99	124.06
350	355.6	533	11	68.19	136.46
350	355.6	533	12	74.39	148.87
350	355.6	533	13	80.59	161.28
350	355.6	533	14	86.79	173.68
350	355.6	533	15	92.99	186.09
350	355.6	533	16	99.19	198.49
350	355.6	533	17	105.39	210.9
350	355.6	533	18	111.59	223.3
350	355.6	533	19	117.79	235.71
350	355.6	533	20	123.99	248.12
350	355.6	533	21	130.19	260.52
350	355.6	533	22	136.39	272.93
350	355.6	533	23	142.59	285.33
350	355.6	533	24	148.79	297.74
350	355.6	533	25	154.99	310.15
350	355.6	533	26	161.18	322.55
350	355.6	533	27	167.38	334.96
350	355.6	533	28	173.58	347.36

350	355.6	533	29	179.78	359.77
350	355.6	533	30	185.98	372.17
350	355.6	533	31	192.18	384.58
350	355.6	533	32	198.38	396.99
350	355.6	533	33	204.58	409.39
350	355.6	533	34	210.78	421.8
350	355.6	533	35	216.98	434.2
350	355.6	533	36	223.18	446.61
350	355.6	533	37	229.38	459.01
350	355.6	533	38	235.58	471.42
350	355.6	533	39	241.78	483.83
350	355.6	533	40	247.98	496.23
350	355.6	533	41	254.18	508.64
350	355.6	533	42	260.38	521.04
350	355.6	533	43	266.57	533.45
350	355.6	533	44	272.77	545.86
350	355.6	533	45	278.97	558.26
350	355.6	533	46	285.17	570.67
350	355.6	533	47	291.37	583.07
350	355.6	533	48	297.57	595.48
350	355.6	533	49	303.77	607.88
350	355.6	533	50	309.97	620.29
350	355.6	533	51	316.17	632.7
350	355.6	533	52	322.37	645.1
350	355.6	533	53	328.57	657.51
350	355.6	533	54	334.77	669.91
350	355.6	533	55	340.97	682.32
350	355.6	533	56	347.17	694.72
350	355.6	533	57	353.37	707.13
350	355.6	533	58	359.57	719.54
350	355.6	533	59	365.77	731.94
350	355.6	533	60	371.96	744.35
350	355.6	533	61	378.16	756.75
350	355.6	533	62	384.36	769.16
350	355.6	533	63	390.56	781.57
350	355.6	533	64	396.76	793.97
350	355.6	533	65	402.96	806.38
350	355.6	533	66	409.16	818.78
350	355.6	533	67	415.36	831.19
350	355.6	533	68	421.56	843.59
350	355.6	533	69	427.76	856
350	355.6	533	70	433.96	868.41
350	355.6	533	71	440.16	880.81
350	355.6	533	72	446.36	893.22
350	355.6	533	73	452.56	905.62
350	355.6	533	74	458.76	918.03
350	355.6	533	75	464.96	930.44
350	355.6	533	76	471.16	942.84
350	355.6	533	77	477.35	955.25
350	355.6	533	78	483.55	967.65

350	355.6	533	79	489.75	980.06
350	355.6	533	80	495.95	992.46
350	355.6	533	81	502.15	1004.87
350	355.6	533	82	508.35	1017.28
350	355.6	533	83	514.55	1029.68
350	355.6	533	84	520.75	1042.09
350	355.6	533	85	526.95	1054.49
350	355.6	533	86	533.15	1066.9
350	355.6	533	87	539.35	1079.3
350	355.6	533	88	545.55	1091.71
350	355.6	533	89	551.75	1104.12
350	355.6	533	90	557.95	1116.52
400	406.4	610	1	7.1	14.19
400	406.4	610	2	14.2	28.39
400	406.4	610	3	21.3	42.58
400	406.4	610	4	28.4	56.77
400	406.4	610	5	35.5	70.97
400	406.4	610	6	42.6	85.16
400	406.4	610	7	49.7	99.35
400	406.4	610	8	56.8	113.54
400	406.4	610	9	63.9	127.74
400	406.4	610	10	71	141.93
400	406.4	610	11	78.1	156.12
400	406.4	610	12	85.2	170.32
400	406.4	610	13	92.3	184.51
400	406.4	610	14	99.4	198.7
400	406.4	610	15	106.5	212.9
400	406.4	610	16	113.6	227.09
400	406.4	610	17	120.7	241.28
400	406.4	610	18	127.8	255.47
400	406.4	610	19	134.9	269.67
400	406.4	610	20	142	283.86
400	406.4	610	21	149.1	298.05
400	406.4	610	22	156.2	312.25
400	406.4	610	23	163.3	326.44
400	406.4	610	24	170.4	340.63
400	406.4	610	25	177.5	354.83
400	406.4	610	26	184.6	369.02
400	406.4	610	27	191.7	383.21
400	406.4	610	28	198.8	397.4
400	406.4	610	29	205.9	411.6
400	406.4	610	30	213	425.79
400	406.4	610	31	220.1	439.98
400	406.4	610	32	227.2	454.18
400	406.4	610	33	234.3	468.37
400	406.4	610	34	241.4	482.56
400	406.4	610	35	248.5	496.76
400	406.4	610	36	255.6	510.95
400	406.4	610	37	262.7	525.14
400	406.4	610	38	269.8	539.33

400	406.4	610	39	276.9	553.53
400	406.4	610	40	284	567.72
400	406.4	610	41	291.1	581.91
400	406.4	610	42	298.2	596.11
400	406.4	610	43	305.3	610.3
400	406.4	610	44	312.4	624.49
400	406.4	610	45	319.5	638.69
400	406.4	610	46	326.6	652.88
400	406.4	610	47	333.7	667.07
400	406.4	610	48	340.8	681.26
400	406.4	610	49	347.9	695.46
400	406.4	610	50	355	709.65
400	406.4	610	51	362.1	723.84
400	406.4	610	52	369.2	738.04
400	406.4	610	53	376.3	752.23
400	406.4	610	54	383.4	766.42
400	406.4	610	55	390.5	780.62
400	406.4	610	56	397.6	794.81
400	406.4	610	57	404.7	809
400	406.4	610	58	411.8	823.2
400	406.4	610	59	418.9	837.39
400	406.4	610	60	426	851.58
400	406.4	610	61	433.1	865.77
400	406.4	610	62	440.2	879.97
400	406.4	610	63	447.3	894.16
400	406.4	610	64	454.4	908.35
400	406.4	610	65	461.5	922.55
400	406.4	610	66	468.6	936.74
400	406.4	610	67	475.7	950.93
400	406.4	610	68	482.8	965.13
400	406.4	610	69	489.9	979.32
400	406.4	610	70	497	993.51
400	406.4	610	71	504.1	1007.7
400	406.4	610	72	511.2	1021.9
400	406.4	610	73	518.3	1036.09
400	406.4	610	74	525.4	1050.28
400	406.4	610	75	532.5	1064.48
400	406.4	610	76	539.6	1078.67
400	406.4	610	77	546.7	1092.86
400	406.4	610	78	553.8	1107.06
400	406.4	610	79	560.9	1121.25
400	406.4	610	80	568	1135.44
400	406.4	610	81	575.1	1149.63
400	406.4	610	82	582.2	1163.83
400	406.4	610	83	589.3	1178.02
400	406.4	610	84	596.4	1192.21
400	406.4	610	85	603.5	1206.41
400	406.4	610	86	610.6	1220.6
400	406.4	610	87	617.7	1234.79
400	406.4	610	88	624.8	1248.99

400	406.4	610	89	631.9	1263.18
400	406.4	610	90	639	1277.37
500	508	762	1	8.87	17.73
500	508	762	2	17.73	35.47
500	508	762	3	26.6	53.2
500	508	762	4	35.47	70.93
500	508	762	5	44.33	88.66
500	508	762	6	53.2	106.4
500	508	762	7	62.06	124.13
500	508	762	8	70.93	141.86
500	508	762	9	79.8	159.59
500	508	762	10	88.66	177.33
500	508	762	11	97.53	195.06
500	508	762	12	106.4	212.79
500	508	762	13	115.26	230.52
500	508	762	14	124.13	248.26
500	508	762	15	132.99	265.99
500	508	762	16	141.86	283.72
500	508	762	17	150.73	301.45
500	508	762	18	159.59	319.19
500	508	762	19	168.46	336.92
500	508	762	20	177.33	354.65
500	508	762	21	186.19	372.38
500	508	762	22	195.06	390.12
500	508	762	23	203.92	407.85
500	508	762	24	212.79	425.58
500	508	762	25	221.66	443.31
500	508	762	26	230.52	461.05
500	508	762	27	239.39	478.78
500	508	762	28	248.26	496.51
500	508	762	29	257.12	514.24
500	508	762	30	265.99	531.98
500	508	762	31	274.85	549.71
500	508	762	32	283.72	567.44
500	508	762	33	292.59	585.17
500	508	762	34	301.45	602.91
500	508	762	35	310.32	620.64
500	508	762	36	319.19	638.37
500	508	762	37	328.05	656.1
500	508	762	38	336.92	673.84
500	508	762	39	345.78	691.57
500	508	762	40	354.65	709.3
500	508	762	41	363.52	727.03
500	508	762	42	372.38	744.77
500	508	762	43	381.25	762.5
500	508	762	44	390.12	780.23
500	508	762	45	398.98	797.96
500	508	762	46	407.85	815.7
500	508	762	47	416.71	833.43
500	508	762	48	425.58	851.16

500	508	762	49	434.45	868.89
500	508	762	50	443.31	886.63
500	508	762	51	452.18	904.36
500	508	762	52	461.05	922.09
500	508	762	53	469.91	939.82
500	508	762	54	478.78	957.56
500	508	762	55	487.64	975.29
500	508	762	56	496.51	993.02
500	508	762	57	505.38	1010.76
500	508	762	58	514.24	1028.49
500	508	762	59	523.11	1046.22
500	508	762	60	531.98	1063.95
500	508	762	61	540.84	1081.69
500	508	762	62	549.71	1099.42
500	508	762	63	558.58	1117.15
500	508	762	64	567.44	1134.88
500	508	762	65	576.31	1152.62
500	508	762	66	585.17	1170.35
500	508	762	67	594.04	1188.08
500	508	762	68	602.91	1205.81
500	508	762	69	611.77	1223.55
500	508	762	70	620.64	1241.28
500	508	762	71	629.51	1259.01
500	508	762	72	638.37	1276.74
500	508	762	73	647.24	1294.48
500	508	762	74	656.1	1312.21
500	508	762	75	664.97	1329.94
500	508	762	76	673.84	1347.67
500	508	762	77	682.7	1365.41
500	508	762	78	691.57	1383.14
500	508	762	79	700.44	1400.87
500	508	762	80	709.3	1418.6
500	508	762	81	718.17	1436.34
500	508	762	82	727.03	1454.07
500	508	762	83	735.9	1471.8
500	508	762	84	744.77	1489.53
500	508	762	85	753.63	1507.27
500	508	762	86	762.5	1525
500	508	762	87	771.37	1542.73
500	508	762	88	780.23	1560.46
500	508	762	89	789.1	1578.2
500	508	762	90	797.96	1595.93
610	610	1011	1	12.32	22.97
610	610	1011	2	24.64	45.94
610	610	1011	3	36.97	68.91
610	610	1011	4	49.29	91.87
610	610	1011	5	61.61	114.84
610	610	1011	6	73.93	137.81
610	610	1011	7	86.25	160.78
610	610	1011	8	98.58	183.75

610	610	1011	9	110.9	206.72
610	610	1011	10	123.22	229.69
610	610	1011	11	135.54	252.65
610	610	1011	12	147.86	275.62
610	610	1011	13	160.19	298.59
610	610	1011	14	172.51	321.56
610	610	1011	15	184.83	344.53
610	610	1011	16	197.15	367.5
610	610	1011	17	209.47	390.47
610	610	1011	18	221.8	413.43
610	610	1011	19	234.12	436.4
610	610	1011	20	246.44	459.37
610	610	1011	21	258.76	482.34
610	610	1011	22	271.08	505.31
610	610	1011	23	283.41	528.28
610	610	1011	24	295.73	551.24
610	610	1011	25	308.05	574.21
610	610	1011	26	320.37	597.18
610	610	1011	27	332.69	620.15
610	610	1011	28	345.02	643.12
610	610	1011	29	357.34	666.09
610	610	1011	30	369.66	689.06
610	610	1011	31	381.98	712.02
610	610	1011	32	394.3	734.99
610	610	1011	33	406.63	757.96
610	610	1011	34	418.95	780.93
610	610	1011	35	431.27	803.9
610	610	1011	36	443.59	826.87
610	610	1011	37	455.91	849.84
610	610	1011	38	468.24	872.8
610	610	1011	39	480.56	895.77
610	610	1011	40	492.88	918.74
610	610	1011	41	505.2	941.71
610	610	1011	42	517.53	964.68
610	610	1011	43	529.85	987.65
610	610	1011	44	542.17	1010.62
610	610	1011	45	554.49	1033.58
610	610	1011	46	566.81	1056.55
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610	610	1011	48	591.46	1102.49
610	610	1011	49	603.78	1125.46
610	610	1011	50	616.1	1148.43
610	610	1011	51	628.42	1171.4
610	610	1011	52	640.75	1194.36
610	610	1011	53	653.07	1217.33
610	610	1011	54	665.39	1240.3
610	610	1011	55	677.71	1263.27
610	610	1011	56	690.03	1286.24
610	610	1011	57	702.36	1309.21
610	610	1011	58	714.68	1332.17

610	610	1011	59	727	1355.14
610	610	1011	60	739.32	1378.11
610	610	1011	61	751.64	1401.08
610	610	1011	62	763.97	1424.05
610	610	1011	63	776.29	1447.02
610	610	1011	64	788.61	1469.99
610	610	1011	65	800.93	1492.95
610	610	1011	66	813.25	1515.92
610	610	1011	67	825.58	1538.89
610	610	1011	68	837.9	1561.86
610	610	1011	69	850.22	1584.83
610	610	1011	70	862.54	1607.8
610	610	1011	71	874.86	1630.77
610	610	1011	72	887.19	1653.73
610	610	1011	73	899.51	1676.7
610	610	1011	74	911.83	1699.67
610	610	1011	75	924.15	1722.64
610	610	1011	76	936.47	1745.61
610	610	1011	77	948.8	1768.58
610	610	1011	78	961.12	1791.55
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610	610	1011	80	985.76	1837.48
610	610	1011	81	998.08	1860.45
610	610	1011	82	1010.41	1883.42
610	610	1011	83	1022.73	1906.39
610	610	1011	84	1035.05	1929.36
610	610	1011	85	1047.37	1952.33
610	610	1011	86	1059.69	1975.29
610	610	1011	87	1072.02	1998.26
610	610	1011	88	1084.34	2021.23
610	610	1011	89	1096.66	2044.2
610	610	1011	90	1108.98	2067.17