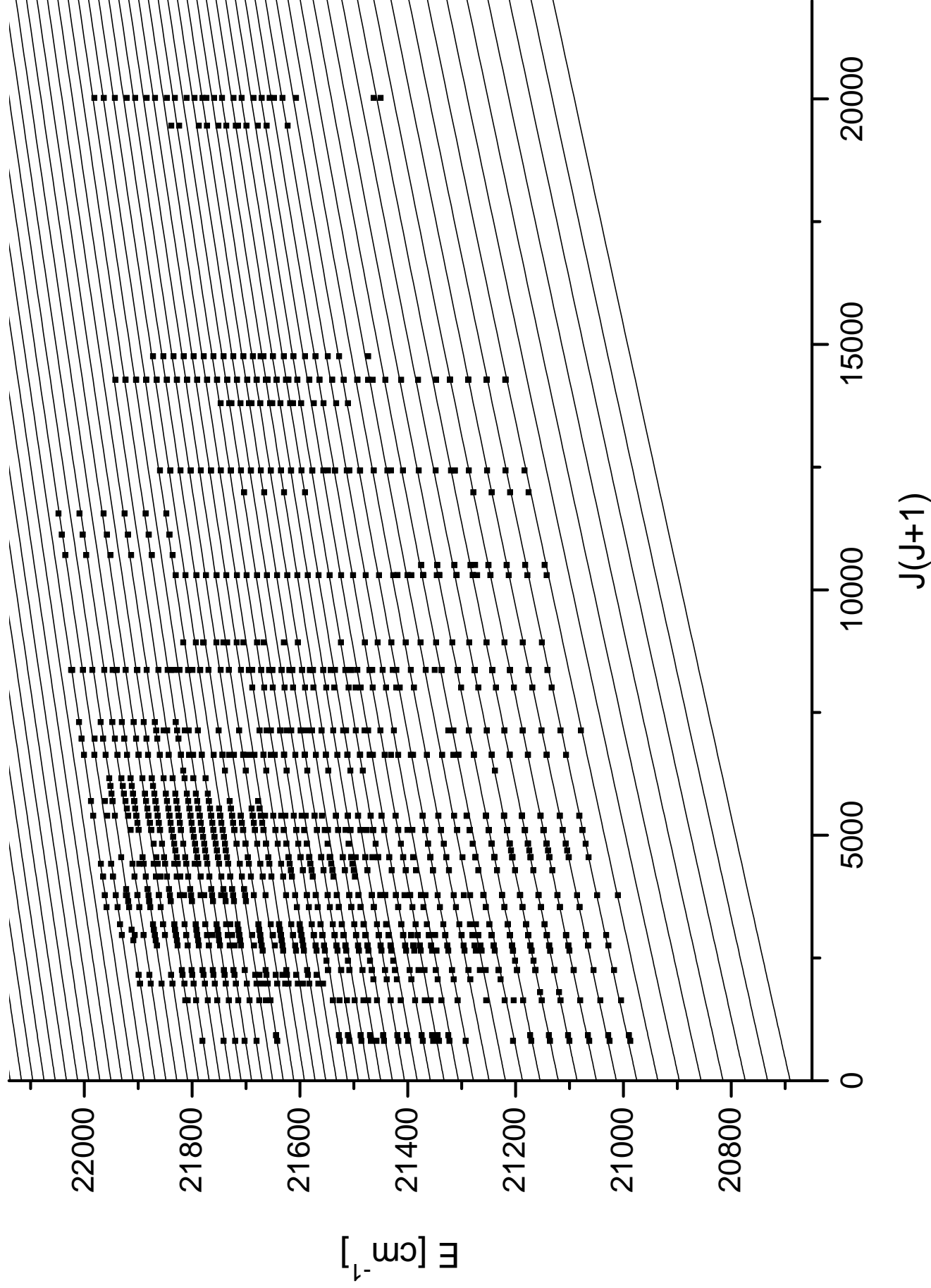


Observed term values of the $6^1\Sigma^+$ state in KCs (points)
and those calculated from the IPA potential (solid lines)



A supplementary material to the paper

Experimental investigation of the $6^1\Sigma^+$ 'shelf' state of KCs

Authors: J.Szczepkowski(*), A.Grochola(**), W.Jastrzebski, P.Kowalczyk
(*) e-mail address jszczep@ifpan.edu.pl
(**) e-mail address Anna.Grochola@fuw.edu.pl

+++++

Experimental energies of rovibrational levels in the $6^1\Sigma^+$ state of KCs.
Note that for several levels the position of the perturbing level is also given.

v'	J'	E [cm-1]
6	61	21010.05
6	84	21078.73
6	101	21142.15
6	102	21146.16
6	109	21175.58
6	111	21183.38
6	119	21218.58
7	28	20986.89
7	30	20989.37
7	40	21004.22
7	47	21017.02
7	52	21027.39
7	54	21031.83
7	61	21048.51
7	67	21064.35
7	69	21069.89
7	71	21075.58
7	73	21081.44
7	81	21106.28
7	84	21116.17
7	89	21132.87
7	91	21140.41
7	94	21151.15
7	101	21177.82
7	102	21181.79
7	109	21210.15
7	111	21218.57
7	119	21253.59
8	28	21025.48
8	30	21027.92
8	40	21042.51
8	47	21055.04
8	52	21065.22
8	54	21069.52
8	59	21081.02
8	61	21085.89
8	67	21101.32
8	68	21103.97
8	69	21106.73
8	71	21112.30
8	73	21118.04
8	81	21142.24
8	84	21151.90
8	89	21168.60
8	91	21175.63
8	94	21186.36
8	101	21212.45

8	102	21216.35
8	109	21244.44
8	111	21252.79
8	119	21287.74
9	28	21063.26
9	30	21065.57
9	40	21079.84
9	47	21092.08
9	51	21099.92
9	52	21101.98
9	54	21106.18
9	59	21117.34
9	61	21122.09
9	65	21131.93
9	67	21137.11
9	68	21139.70
9	69	21142.42
9	71	21147.88
9	73	21153.44
9	81	21177.13
9	84	21186.58
9	89	21203.04
9	91	21209.93
9	94	21220.48
9	101	21246.31
9	102	21250.17
9	109	21278.10
9	111	21286.44
9	119	21321.59
10	28	21100.03
10	30	21102.31
10	40	21116.14
10	42	21119.38
10	47	21128.00
10	51	21135.65
10	52	21137.60
10	54	21141.70
10	56	21145.90
10	59	21152.58
10	61	21157.17
10	65	21166.80
10	67	21171.84
10	68	21174.34
10	69	21177.03
10	71	21182.34
10	73	21187.80
10	81	21211.00
10	84	21220.29
10	89	21236.47
10	91	21243.24
10	94	21253.67
10	101	21270.93
10	101	21279.25
10	102	21275.04
10	102	21283.06
10	111	21312.53
10	111	21319.66
10	119	21347.16
10	141	21450.26
10	141	21463.19
11	28	21135.76
11	30	21138.01
11	40	21151.39
11	42	21154.51
11	47	21162.93
11	49	21166.63

11	51	21170.40
11	52	21172.31
11	54	21176.29
11	56	21180.40
11	59	21186.92
11	61	21191.39
11	65	21200.80
11	67	21205.70
11	68	21208.19
11	69	21210.75
11	71	21215.96
11	73	21221.32
11	79	21238.10
11	81	21243.98
11	84	21253.10
11	89	21268.93
11	91	21275.61
11	94	21285.90
11	101	21309.40
11	102	21313.19
11	111	21348.01
11	119	21380.95
12	28	21170.60
12	30	21172.76
12	40	21185.86
12	47	21197.16
12	49	21200.75
12	51	21204.49
12	52	21206.34
12	54	21210.25
12	56	21214.36
12	59	21220.66
12	61	21225.08
12	65	21234.32
12	67	21239.18
12	69	21244.16
12	71	21249.32
12	73	21254.61
12	81	21277.27
12	84	21286.60
12	89	21300.69
12	91	21306.93
12	94	21317.06
12	101	21341.59
12	101	21345.84
12	102	21345.24
12	111	21379.45
12	119	21411.97
13	28	21204.74
13	40	21203.48
13	40	21219.96
13	45	21227.78
13	47	21231.24
13	51	21238.50
13	52	21240.46
13	54	21244.40
13	56	21248.54
13	59	21255.00
13	61	21259.52
13	65	21269.10
13	67	21274.19
13	69	21279.61
13	71	21284.89
13	73	21290.56
13	81	21305.96
13	81	21315.05

13	84	21315.08
13	84	21324.67
13	91	21337.22
13	91	21349.87
13	94	21347.23
13	101	21371.37
13	101	21393.33
13	102	21375.05
13	111	21408.91
13	119	21441.55
14	40	21254.37
14	47	21255.18
14	47	21266.14
14	51	21262.83
14	51	21273.79
14	52	21264.84
14	52	21275.84
14	54	21268.91
14	54	21279.99
14	56	21273.08
14	56	21284.34
14	61	21284.16
14	61	21295.94
14	67	21298.41
14	71	21308.52
14	73	21313.73
14	81	21335.88
14	91	21366.35
14	94	21376.16
14	101	21400.01
14	101	21419.17
14	111	21430.89
14	111	21437.60
14	119	21464.88
14	119	21473.28
14	121	21473.28
15	45	21283.85
15	47	21287.28
15	51	21294.48
15	52	21296.34
15	54	21300.19
15	56	21304.17
15	59	21310.35
15	61	21314.67
15	65	21323.61
15	67	21328.35
15	69	21333.14
15	71	21338.08
15	73	21343.13
15	81	21364.65
15	89	21388.13
15	91	21394.33
15	94	21403.90
15	101	21426.71
15	111	21462.67
15	119	21493.13
15	119	21493.75
16	28	21292.32
16	40	21307.02
16	45	21314.46
16	47	21317.71
16	51	21324.62
16	52	21326.46
16	54	21330.17
16	54	21348.98
16	56	21334.01

16	59	21340.00
16	61	21344.22
16	65	21352.99
16	67	21357.57
16	69	21362.31
16	71	21367.19
16	73	21372.19
16	81	21390.08
16	81	21394.08
16	89	21414.60
16	89	21420.84
16	91	21420.84
16	91	21427.67
16	94	21430.31
16	101	21453.24
16	111	21488.40
16	117	21511.11
16	119	21519.02
16	121	21527.10
16	141	21607.09
17	28	21322.61
17	30	21324.64
17	40	21337.04
17	45	21344.53
17	47	21347.78
17	51	21346.40
17	51	21354.77
17	52	21356.66
17	54	21360.47
17	56	21364.45
17	59	21370.75
17	61	21366.86
17	61	21375.21
17	65	21384.67
17	67	21389.77
17	71	21391.18
17	71	21400.58
17	81	21417.45
17	81	21430.99
17	84	21425.73
17	89	21440.27
17	91	21446.30
17	91	21465.94
17	94	21455.49
17	101	21477.98
17	111	21508.60
17	111	21513.08
17	117	21532.67
17	119	21540.39
17	121	21548.12
17	139	21622.63
17	141	21632.20
18	28	21342.02
18	28	21352.75
18	30	21344.18
18	30	21354.91
18	40	21357.50
18	40	21368.14
18	47	21368.72
18	47	21379.87
18	51	21375.76
18	51	21388.01
18	52	21377.58
18	52	21389.62
18	54	21381.34
18	54	21393.84

18	56	21385.18
18	59	21391.14
18	61	21395.29
18	65	21403.87
18	67	21408.31
18	69	21412.64
18	71	21417.59
18	73	21422.40
18	81	21442.69
18	84	21450.75
18	89	21464.85
18	91	21470.65
18	94	21479.62
18	101	21501.34
18	111	21534.88
18	117	21556.32
18	119	21563.72
18	121	21571.27
18	141	21648.09
18	141	21656.03
19	28	21372.13
19	30	21374.15
19	40	21386.20
19	45	21393.33
19	47	21396.44
19	51	21403.00
19	52	21404.76
19	54	21408.28
19	56	21411.95
19	59	21417.61
19	61	21405.89
19	61	21421.63
19	65	21429.93
19	67	21434.36
19	71	21443.57
19	73	21448.46
19	81	21464.49
19	81	21470.53
19	84	21473.20
19	84	21480.07
19	89	21487.50
19	89	21496.82
19	91	21493.30
19	91	21504.54
19	101	21523.62
19	111	21547.77
19	111	21556.68
19	117	21574.11
19	119	21582.40
19	121	21590.27
19	139	21661.74
19	141	21670.95
20	28	21399.26
20	30	21401.18
20	40	21413.02
20	45	21420.19
20	47	21423.38
20	49	21426.76
20	51	21430.22
20	52	21432.01
20	54	21435.76
20	56	21439.72
20	61	21441.49
20	61	21450.49
20	67	21454.82
20	67	21465.18

20	69	21459.33
20	71	21463.98
20	71	21476.01
20	73	21468.69
20	79	21483.34
20	81	21488.46
20	84	21496.21
20	89	21509.79
20	91	21515.37
20	94	21523.73
20	101	21544.91
20	111	21577.05
20	117	21597.57
20	119	21604.68
20	121	21611.89
20	139	21677.94
20	141	21686.34
21	28	21417.02
21	30	21419.16
21	40	21431.58
21	45	21438.79
21	47	21441.94
21	51	21448.43
21	52	21450.13
21	54	21453.61
21	56	21457.15
21	59	21462.70
21	61	21466.56
21	65	21474.57
21	67	21478.77
21	71	21487.46
21	73	21492.02
21	79	21506.43
21	81	21511.62
21	84	21514.48
21	84	21519.88
21	89	21536.02
21	91	21534.84
21	91	21542.92
21	101	21565.40
21	109	21590.51
21	111	21597.13
21	117	21613.01
21	117	21617.90
21	119	21621.63
21	119	21625.66
21	121	21629.61
21	139	21699.43
21	141	21708.02
22	28	21443.81
22	30	21445.64
22	40	21456.90
22	45	21463.72
22	47	21466.65
22	49	21469.80
22	51	21472.97
22	52	21474.62
22	54	21478.07
22	56	21481.64
22	59	21487.31
22	61	21491.37
22	64	21497.83
22	65	21500.07
22	66	21502.40
22	67	21496.90
22	67	21504.78

22	69	21509.78
22	71	21506.40
22	71	21515.05
22	73	21511.09
22	81	21530.59
22	84	21538.17
22	89	21551.29
22	91	21556.68
22	101	21585.25
22	111	21616.33
22	117	21636.24
22	119	21643.12
22	121	21650.03
22	139	21714.78
22	139	21718.84
22	141	21723.06
23	28	21457.85
23	28	21468.06
23	30	21470.04
23	40	21473.20
23	40	21482.14
23	47	21483.93
23	51	21490.57
23	52	21492.26
23	54	21495.73
23	56	21499.26
23	59	21504.75
23	61	21508.52
23	65	21516.37
23	67	21520.43
23	71	21528.89
23	73	21533.28
23	79	21547.18
23	81	21552.07
23	84	21559.77
23	89	21574.83
23	91	21575.72
23	91	21581.17
23	101	21604.54
23	109	21629.49
23	111	21635.37
23	117	21651.20
23	117	21655.48
23	119	21659.78
23	119	21663.06
23	121	21667.50
23	121	21672.74
23	139	21736.41
23	141	21744.39
24	28	21485.74
24	30	21487.59
24	40	21498.52
24	47	21507.94
24	49	21510.98
24	51	21514.05
24	52	21515.61
24	54	21518.90
24	56	21522.33
24	59	21527.68
24	61	21531.50
24	64	21537.55
24	65	21539.66
24	66	21541.84
24	67	21544.05
24	67	21544.69
24	69	21548.71

24	71	21547.56
24	71	21553.67
24	73	21558.95
24	81	21570.23
24	84	21577.67
24	84	21586.90
24	89	21590.49
24	91	21595.78
24	94	21603.93
24	101	21623.68
24	111	21654.01
24	117	21673.51
24	119	21680.24
24	121	21687.04
24	139	21751.14
24	141	21759.23
25	28	21508.46
25	30	21510.91
25	40	21512.47
25	40	21526.24
25	47	21523.65
25	51	21530.38
25	52	21532.11
25	54	21535.36
25	54	21535.63
25	56	21539.19
25	59	21544.61
25	61	21548.40
25	65	21556.09
25	67	21560.16
25	71	21568.41
25	73	21572.71
25	79	21586.29
25	81	21591.06
25	84	21598.56
25	89	21612.64
25	91	21613.87
25	91	21619.19
25	94	21629.90
25	101	21642.31
25	109	21666.31
25	111	21672.55
25	117	21689.73
25	117	21694.25
25	119	21697.43
25	121	21704.69
25	139	21772.36
25	141	21773.21
25	141	21780.66
26	28	21525.84
26	30	21527.58
26	40	21538.45
26	47	21547.64
26	49	21550.63
26	51	21553.62
26	52	21555.14
26	54	21558.36
26	56	21561.64
26	59	21566.86
26	61	21570.58
26	64	21576.39
26	65	21578.45
26	66	21580.53
26	67	21582.63
26	69	21587.11
26	71	21591.90

26	73	21589.26
26	73	21596.91
26	81	21608.62
26	84	21615.95
26	84	21624.68
26	89	21628.60
26	91	21633.81
26	101	21661.30
26	111	21691.05
26	117	21710.28
26	119	21716.91
26	121	21723.65
26	139	21787.44
26	141	21795.41
27	44	21557.00
27	44	21565.82
27	46	21568.77
27	51	21569.04
27	52	21570.78
27	54	21574.34
27	56	21577.94
27	59	21583.41
27	61	21587.17
27	65	21594.81
27	67	21598.78
27	69	21602.86
27	71	21606.96
27	73	21611.20
27	79	21624.60
27	81	21629.29
27	84	21636.69
27	89	21650.52
27	91	21651.33
27	91	21656.90
27	94	21667.43
27	101	21679.61
27	109	21703.30
27	111	21709.49
27	117	21726.74
27	117	21731.08
27	119	21734.71
27	121	21741.59
27	141	21810.01
28	44	21582.48
28	46	21585.11
28	47	21586.53
28	51	21592.37
28	52	21593.94
28	53	21595.46
28	54	21597.03
28	55	21598.64
28	56	21600.32
28	59	21605.43
28	61	21609.06
28	64	21614.67
28	65	21616.88
28	66	21618.76
28	67	21620.81
28	67	21621.18
28	69	21625.14
28	71	21629.76
28	73	21627.03
28	73	21634.69
28	81	21646.47
28	81	21654.04
28	84	21653.76

28	84	21661.78
28	89	21666.28
28	91	21671.47
28	94	21679.40
28	101	21698.81
28	111	21727.99
28	117	21747.10
28	119	21753.66
28	121	21760.33
28	139	21824.01
28	141	21831.76
29	44	21594.76
29	44	21604.00
29	46	21606.90
29	51	21607.05
29	52	21608.85
29	54	21612.48
29	56	21616.19
29	61	21625.48
29	64	21631.16
29	66	21635.03
29	69	21641.08
29	71	21645.17
29	73	21649.40
29	79	21662.62
29	81	21667.29
29	84	21674.59
29	89	21688.55
29	91	21688.20
29	91	21694.47
29	94	21704.77
29	101	21716.91
29	111	21746.56
29	119	21771.91
29	121	21778.58
29	139	21838.64
29	141	21846.95
30	44	21621.02
30	46	21623.74
30	47	21625.10
30	51	21630.86
30	52	21632.36
30	53	21633.92
30	54	21635.43
30	55	21637.09
30	56	21638.67
30	64	21652.83
30	66	21656.76
30	67	21658.77
30	69	21663.02
30	71	21667.51
30	72	21669.83
30	73	21664.55
30	73	21672.31
30	74	21674.68
30	75	21677.35
30	81	21684.26
30	81	21694.18
30	91	21709.16
30	94	21717.08
30	101	21736.41
30	111	21765.14
30	119	21790.65
30	121	21797.27
30	141	21868.61
31	44	21627.19

31	44	21642.12
31	46	21632.28
31	46	21644.89
31	52	21646.57
31	54	21650.38
31	56	21654.19
31	61	21663.64
31	64	21669.35
31	66	21673.26
31	69	21679.27
31	71	21683.37
31	72	21685.43
31	73	21687.54
31	74	21689.69
31	79	21700.66
31	81	21705.33
31	84	21712.53
31	91	21731.97
31	94	21734.65
31	94	21741.96
31	101	21754.39
31	111	21783.92
31	119	21809.26
31	121	21815.83
31	141	21884.07
32	28	21642.10
32	30	21644.27
32	40	21654.67
32	44	21659.61
32	46	21662.19
32	47	21663.62
32	51	21669.31
32	52	21670.91
32	53	21672.33
32	54	21673.88
32	55	21675.43
32	56	21677.09
32	61	21685.58
32	64	21690.98
32	66	21694.83
32	67	21696.89
32	69	21701.01
32	71	21705.34
32	72	21707.62
32	73	21709.94
32	81	21722.12
32	81	21731.58
32	91	21747.12
32	94	21754.96
32	101	21774.23
32	111	21802.59
32	119	21828.04
32	121	21834.58
32	141	21905.72
33	40	21663.07
33	40	21675.51
33	44	21669.43
33	44	21680.42
33	46	21675.20
33	46	21683.09
33	52	21685.10
33	54	21688.93
33	60	21699.97
33	61	21701.78
33	62	21703.67
33	64	21707.59

33	66	21711.53
33	69	21717.64
33	71	21721.68
33	72	21723.76
33	73	21725.85
33	74	21727.99
33	75	21730.22
33	79	21738.92
33	81	21743.55
33	84	21750.67
33	91	21769.53
33	94	21778.54
33	94	21779.17
33	101	21792.21
33	111	21821.65
33	119	21846.83
33	121	21853.45
33	141	21921.34
34	28	21680.46
34	40	21693.39
34	44	21698.30
34	47	21702.32
34	52	21709.42
34	53	21710.96
34	54	21712.45
34	55	21714.05
34	56	21715.60
34	60	21722.26
34	61	21724.01
34	62	21725.76
34	64	21729.43
34	66	21733.16
34	67	21735.17
34	68	21737.16
34	69	21739.20
34	70	21741.26
34	71	21743.37
34	72	21745.54
34	73	21747.79
34	74	21750.08
34	81	21760.09
34	91	21785.28
34	94	21793.13
34	101	21812.37
34	111	21840.34
34	119	21865.81
34	121	21872.36
34	141	21943.29
35	28	21702.42
35	40	21714.14
35	44	21718.95
35	46	21721.57
35	47	21723.09
35	52	21721.49
35	52	21730.31
35	54	21725.48
35	54	21733.52
35	56	21729.52
35	56	21736.94
35	60	21737.91
35	61	21739.89
35	61	21746.08
35	62	21741.94
35	64	21745.92
35	66	21749.97
35	67	21752.04

35	68	21754.05
35	69	21756.11
35	70	21758.16
35	71	21760.21
35	72	21762.30
35	73	21764.38
35	74	21766.52
35	75	21768.65
35	76	21770.85
35	78	21775.21
35	81	21782.01
35	84	21789.06
35	91	21799.50
35	91	21807.34
35	94	21816.48
35	101	21830.27
35	103	21836.10
35	105	21841.93
35	107	21847.78
35	111	21859.78
35	119	21885.18
35	141	21963.86
36	28	21720.39
36	40	21732.13
36	44	21737.17
36	46	21739.83
36	47	21741.19
36	52	21748.25
36	53	21749.81
36	54	21751.31
36	55	21752.93
36	56	21754.40
36	60	21761.08
36	61	21762.80
36	62	21764.61
36	64	21768.09
36	66	21771.82
36	67	21773.72
36	68	21775.69
36	69	21777.67
36	70	21779.68
36	71	21781.79
36	72	21783.91
36	73	21786.09
36	74	21788.27
36	75	21790.53
36	76	21792.94
36	78	21797.79
36	81	21798.03
36	81	21805.78
36	84	21806.42
36	84	21813.40
36	91	21823.76
36	91	21833.91
36	119	21903.97
36	141	21981.23
37	28	21741.48
37	40	21753.10
37	44	21757.85
37	46	21760.40
37	47	21761.81
37	52	21768.93
37	54	21762.55
37	54	21772.05
37	56	21775.29
37	61	21777.71

37	61	21784.35
37	64	21784.15
37	66	21788.43
37	66	21795.09
37	67	21790.56
37	68	21792.67
37	69	21794.72
37	70	21796.86
37	71	21799.00
37	72	21801.06
37	73	21803.16
37	74	21805.27
37	75	21807.44
37	76	21809.62
37	78	21814.01
37	79	21816.38
37	81	21820.77
37	83	21825.42
37	84	21827.82
37	85	21830.21
37	91	21838.90
37	91	21845.55
37	103	21874.55
37	105	21880.39
37	107	21886.32
37	119	21923.55
38	40	21770.66
38	44	21776.10
38	46	21778.82
38	47	21780.27
38	52	21787.40
38	53	21788.99
38	54	21790.46
38	55	21791.99
38	56	21793.53
38	60	21800.18
38	61	21801.82
38	62	21803.61
38	64	21807.07
38	66	21810.79
38	67	21812.65
38	69	21816.56
38	71	21820.57
38	72	21822.62
38	73	21824.73
38	74	21826.86
38	75	21829.05
38	76	21831.30
38	78	21835.95
38	81	21843.41
38	84	21846.18
38	84	21853.05
38	91	21862.54
38	119	21942.57
39	28	21780.84
39	40	21792.41
39	44	21797.08
39	46	21799.64
39	47	21801.00
39	52	21807.96
39	54	21811.01
39	56	21814.12
39	61	21814.91
39	61	21822.78
39	64	21821.83
39	64	21828.44

39	66	21826.47
39	66	21832.67
39	67	21828.78
39	68	21831.03
39	69	21833.35
39	70	21835.49
39	71	21837.73
39	72	21839.90
39	73	21842.12
39	74	21844.29
39	75	21846.45
39	76	21848.70
39	78	21853.06
39	81	21859.85
39	83	21864.48
39	84	21866.77
39	85	21869.21
39	91	21884.23
39	103	21913.17
39	105	21919.15
39	107	21925.12
40	40	21808.03
40	40	21812.58
40	44	21814.35
40	46	21817.59
40	47	21819.15
40	52	21826.77
40	53	21828.30
40	54	21829.82
40	55	21831.39
40	56	21832.92
40	60	21839.53
40	61	21841.20
40	62	21842.98
40	64	21846.42
40	66	21850.07
40	67	21851.95
40	69	21855.82
40	71	21859.77
40	72	21861.78
40	73	21863.85
40	74	21865.97
40	75	21868.02
40	76	21870.22
40	77	21872.41
40	78	21874.68
40	81	21881.73
40	83	21884.78
40	85	21889.79
40	91	21901.40
40	91	21902.36
41	44	21836.73
41	46	21839.18
41	54	21850.45
41	56	21853.54
41	59	21858.40
41	61	21861.87
41	64	21858.71
41	64	21867.28
41	66	21863.70
41	66	21871.13
41	67	21866.15
41	69	21871.17
41	71	21876.05
41	72	21878.46
41	73	21880.85

41	74	21883.16
41	75	21885.49
41	76	21887.78
41	78	21892.34
41	81	21899.19
41	83	21903.83
41	85	21908.55
41	91	21923.40
41	103	21951.69
41	105	21958.00
41	107	21964.13
42	44	21856.85
42	52	21865.48
42	53	21867.44
42	54	21869.08
42	55	21870.84
42	56	21872.42
42	59	21877.42
42	60	21879.22
42	60	21879.78
42	61	21880.87
42	62	21882.61
42	64	21886.11
42	66	21889.76
42	67	21891.68
42	71	21899.33
42	72	21901.34
42	73	21903.41
42	74	21905.41
42	75	21907.51
42	76	21909.67
42	77	21911.77
42	78	21914.01
42	81	21920.72
42	83	21925.55
42	85	21930.51
42	91	21940.03
42	91	21944.43
43	44	21876.68
43	46	21879.17
43	54	21890.33
43	59	21898.14
43	61	21901.56
43	64	21906.79
43	66	21898.09
43	66	21910.48
43	71	21914.12
43	73	21918.61
43	74	21921.22
43	75	21923.78
43	76	21926.35
43	77	21928.83
43	78	21931.32
43	81	21938.56
43	83	21943.36
43	85	21948.07
43	91	21962.90
43	103	21996.59
43	105	22003.01
43	107	22009.16
44	44	21896.81
44	46	21899.34
44	53	21909.14
44	54	21906.45
44	55	21912.33
44	59	21916.71

44	60	21918.74
44	61	21920.52
44	61	21922.72
44	62	21922.41
44	67	21931.53
44	73	21943.23
44	75	21947.35
44	76	21949.45
44	77	21951.56
44	78	21953.75
44	81	21960.38
44	83	21965.01
44	85	21969.77
44	91	21985.11
45	54	21930.52
45	56	21933.53
45	59	21938.30
45	61	21941.63
45	64	21946.83
45	66	21950.45
45	73	21957.70
45	75	21962.14
45	81	21981.27
45	83	21981.08
45	91	22002.64
45	103	22035.36
45	105	22041.56
45	107	22048.08
46	59	21958.68
46	61	21962.13
46	64	21964.96
46	66	21969.33
46	73	21983.59
46	75	21987.60
46	81	22000.48
46	83	22005.04
46	85	22009.63
46	91	22022.54
46	91	22024.53