

Teaming Instructions for ENFORCED ASYM

Instructions

You are participating in a decision-making experiment, where you have the opportunity to earn money. How much money you earn depends on your own decisions, but may also depend on those of other participants.

You will make individual decisions at your computer. From now on, please do not talk with other participants until the end of the experiment.

In the experiment, you will be anonymously paired with another participant to form a group of two. The experiment consists of 30 repetitions, called periods. You will stay in the same group with the same other participant during all 30 periods. In each of the periods, you will be in the same decision situation.

Each participant has to choose an effort, which is an integer number between 0 and 100. The effort incurs a cost measured in Experimental Currency Units (ECU). The two members in each group have different effort costs. For one of the two group members, the effort cost is equal to the square of the chosen effort divided by 10, while for the other it is equal to the square of the chosen effort divided by 8. Tables 1 and 1A below show for the two group members, respectively, the cost of each effort level between 1 and 100. Zero effort implies zero cost.

At the beginning of the experiment, you will find an envelope with your personal effort cost table at your computer terminal. One of the two members in each group will find Table 1 (cost equals squared effort divided by 10), while the other will find Table 1A (cost equals squared effort divided by 8).

Your Earnings

Your profit (in ECU) in a period is determined as follows.

- Your profit is determined by the average effort by you and the other group member, multiplied by 8 ECU, minus the cost of your individual effort in ECU.

Your total profit for the experiment equals the sum of your profits over the 30 periods. At the end of the experiment, your total profit will be converted to Canadian dollars with a conversion rate of 50 cents per 100 ECU.

Available Information

At the beginning of each period (except for the first one), you are informed of your result in the previous period. This includes your individual effort, the average effort in your group, your effort cost, your profit and your cumulated profit over all previous periods.

At any time, by clicking on the magnifying glass icon on your screen, you can access a table of your results in all previous periods. The table shows the results of the first period in the top line and the results of subsequent periods underneath.

Before we begin the experiment, we ask you to answer some comprehension questions regarding these instructions. Everybody must answer all of the questions correctly before we carry on.

Table 1. Individual effort cost (Effort level squared and divided by 10).

Effort level	Effort cost	Effort level	Effort cost
1	0.10	51	260.10
2	0.40	52	270.40
3	0.90	53	280.90
4	1.60	54	291.60
5	2.50	55	302.50
6	3.60	56	313.60
7	4.90	57	624.90
8	6.40	58	336.40
9	8.10	59	348.10
10	10.00	60	360.00
11	12.10	61	372.10
12	14.40	62	384.40
13	16.90	63	396.90
14	19.60	64	409.60
15	22.50	65	422.50
16	25.60	66	435.60
17	28.90	67	448.90
18	32.40	68	462.40
19	36.10	69	476.10
20	40.00	70	490.00
21	44.10	71	504.10
22	48.40	72	518.40
23	52.90	73	532.90
24	57.60	74	547.60
25	62.50	75	562.50
26	67.60	76	577.60
27	72.90	77	592.90
28	78.40	78	608.40
29	84.10	79	624.10
30	90.00	80	640.00
31	96.10	81	656.10
32	102.40	82	672.40
33	108.90	83	688.90
34	115.60	84	705.60
35	122.50	85	722.50
36	129.60	86	739.60
37	136.90	87	756.90
38	144.40	88	774.40
39	152.10	89	792.10
40	160.00	90	810.00
41	168.10	91	828.10
42	176.40	92	846.40
43	184.90	93	864.90
44	193.60	94	883.60
45	202.50	95	802.50
46	211.60	96	921.60
47	220.90	97	940.90
48	230.40	98	960.40
49	240.10	99	980.10
50	250.00	100	1000.00

Table 1A. Individual effort cost (Effort level squared and divided by 8).

Effort level	Effort cost	Effort level	Effort cost
1	0.13	51	325.13
2	0.50	52	338.00
3	1.13	53	351.13
4	2.00	54	364.50
5	3.13	55	378.13
6	4.50	56	392.00
7	6.13	57	406.13
8	8.00	58	420.50
9	10.13	59	435.13
10	12.50	60	450.00
11	15.13	61	465.13
12	18.00	62	480.50
13	21.13	63	496.13
14	24.50	64	512.00
15	28.13	65	528.13
16	32.00	66	544.50
17	36.13	67	561.13
18	40.50	68	578.00
19	45.13	69	595.13
20	50.00	70	612.50
21	55.13	71	630.13
22	60.50	72	648.00
23	66.13	73	666.13
24	72.00	74	684.50
25	78.13	75	703.13
26	84.50	76	722.00
27	91.13	77	741.13
28	98.00	78	760.50
29	105.13	79	780.13
30	112.50	80	800.00
31	120.13	81	820.13
32	128.00	82	840.50
33	136.13	83	861.13
34	144.50	84	882.00
35	153.13	85	903.13
36	162.00	86	924.50
37	171.13	87	946.13
38	180.50	88	968.00
39	190.13	89	990.13
40	200.00	90	1012.50
41	210.13	91	1035.13
42	220.50	92	1058.00
43	231.13	93	1081.13
44	242.00	94	1104.50
45	253.13	95	1128.13
46	264.50	96	1152.00
47	276.13	97	1176.13
48	288.00	98	1200.50
49	300.13	99	1225.13
50	312.50	100	1250.00

Data for ENFORCED ASYM

Player	Group	Period	Session	Effort	Other effort	Mean effort	Remuneration	Cost	Profit	Cum. profit	Low cost
1	1	1	1	20	26	23.0	184.0	40.0	144.0	144.0	1
1	1	2	1	26	65	45.5	364.0	67.6	296.4	440.4	1
1	1	3	1	26	20	23.0	184.0	67.6	116.4	556.8	1
1	1	4	1	50	18	34.0	272.0	250.0	22.0	578.8	1
1	1	5	1	50	14	32.0	256.0	250.0	6.0	584.8	1
1	1	6	1	55	25	40.0	320.0	302.5	17.5	602.3	1
1	1	7	1	60	36	48.0	384.0	360.0	24.0	626.3	1
1	1	8	1	50	50	50.0	400.0	250.0	150.0	776.3	1
1	1	9	1	55	55	55.0	440.0	302.5	137.5	913.8	1
1	1	10	1	75	60	67.5	540.0	562.5	-22.5	891.3	1
1	1	11	1	60	67	63.5	508.0	360.0	148.0	1039.3	1
1	1	12	1	60	48	54.0	432.0	360.0	72.0	1111.3	1
1	1	13	1	50	40	45.0	360.0	250.0	110.0	1221.3	1
1	1	14	1	50	40	45.0	360.0	250.0	110.0	1331.3	1
1	1	15	1	45	44	44.5	356.0	202.5	153.5	1484.8	1
1	1	16	1	45	45	45.0	360.0	202.5	157.5	1642.3	1
1	1	17	1	40	50	45.0	360.0	160.0	200.0	1842.3	1
1	1	18	1	30	55	42.5	340.0	90.0	250.0	2092.3	1
1	1	19	1	25	60	42.5	340.0	62.5	277.5	2369.8	1
1	1	20	1	20	40	30.0	240.0	40.0	200.0	2569.8	1
1	1	21	1	15	35	25.0	200.0	22.5	177.5	2747.3	1
1	1	22	1	20	45	32.5	260.0	40.0	220.0	2967.3	1
1	1	23	1	24	47	35.5	284.0	57.6	226.4	3193.7	1
1	1	24	1	25	55	40.0	320.0	62.5	257.5	3451.2	1
1	1	25	1	27	45	36.0	288.0	72.9	215.1	3666.3	1
1	1	26	1	25	47	36.0	288.0	62.5	225.5	3891.8	1
1	1	27	1	24	49	36.5	292.0	57.6	234.4	4126.2	1
1	1	28	1	20	51	35.5	284.0	40.0	244.0	4370.2	1
1	1	29	1	19	45	32.0	256.0	36.1	219.9	4590.1	1
1	1	30	1	1	45	23.0	184.0	0.1	183.9	4774.0	1
8	1	1	1	26	20	23.0	184.0	84.5	99.5	99.5	0
8	1	2	1	65	26	45.5	364.0	528.1	-164.1	-64.6	0
8	1	3	1	20	26	23.0	184.0	50.0	134.0	69.4	0

8	1	4	1	18	50	34.0	272.0	40.5	231.5	300.9	0
8	1	5	1	14	50	32.0	256.0	24.5	231.5	532.4	0
8	1	6	1	25	55	40.0	320.0	78.1	241.9	774.3	0
8	1	7	1	36	60	48.0	384.0	162.0	222.0	996.3	0
8	1	8	1	50	50	50.0	400.0	312.5	87.5	1083.8	0
8	1	9	1	55	55	55.0	440.0	378.1	61.9	1145.6	0
8	1	10	1	60	75	67.5	540.0	450.0	90.0	1235.6	0
8	1	11	1	67	60	63.5	508.0	561.1	-53.1	1182.5	0
8	1	12	1	48	60	54.0	432.0	288.0	144.0	1326.5	0
8	1	13	1	40	50	45.0	360.0	200.0	160.0	1486.5	0
8	1	14	1	40	50	45.0	360.0	200.0	160.0	1646.5	0
8	1	15	1	44	45	44.5	356.0	242.0	114.0	1760.5	0
8	1	16	1	45	45	45.0	360.0	253.1	106.9	1867.4	0
8	1	17	1	50	40	45.0	360.0	312.5	47.5	1914.9	0
8	1	18	1	55	30	42.5	340.0	378.1	-38.1	1876.8	0
8	1	19	1	60	25	42.5	340.0	450.0	-110.0	1766.8	0
8	1	20	1	40	20	30.0	240.0	200.0	40.0	1806.8	0
8	1	21	1	35	15	25.0	200.0	153.1	46.9	1853.6	0
8	1	22	1	45	20	32.5	260.0	253.1	6.9	1860.5	0
8	1	23	1	47	24	35.5	284.0	276.1	7.9	1868.4	0
8	1	24	1	55	25	40.0	320.0	378.1	-58.1	1810.3	0
8	1	25	1	45	27	36.0	288.0	253.1	34.9	1845.1	0
8	1	26	1	47	25	36.0	288.0	276.1	11.9	1857.0	0
8	1	27	1	49	24	36.5	292.0	300.1	-8.1	1848.9	0
8	1	28	1	51	20	35.5	284.0	325.1	-41.1	1807.8	0
8	1	29	1	45	19	32.0	256.0	253.1	2.9	1810.6	0
8	1	30	1	45	1	23.0	184.0	253.1	-69.1	1741.5	0
2	2	1	1	40	7	23.5	188.0	200.0	-12.0	-12.0	0
2	2	2	1	30	10	20.0	160.0	112.5	47.5	35.5	0
2	2	3	1	32	50	41.0	328.0	128.0	200.0	235.5	0
2	2	4	1	40	10	25.0	200.0	200.0	0.0	235.5	0
2	2	5	1	35	10	22.5	180.0	153.1	26.9	262.4	0
2	2	6	1	38	10	24.0	192.0	180.5	11.5	273.9	0
2	2	7	1	23	10	16.5	132.0	66.1	65.9	339.8	0
2	2	8	1	22	10	16.0	128.0	60.5	67.5	407.3	0

2	2	9	1	32	7	19.5	156.0	128.0	28.0	435.3	0
2	2	10	1	14	8	11.0	88.0	24.5	63.5	498.8	0
2	2	11	1	10	50	30.0	240.0	12.5	227.5	726.3	0
2	2	12	1	20	10	15.0	120.0	50.0	70.0	796.3	0
2	2	13	1	22	10	16.0	128.0	60.5	67.5	863.8	0
2	2	14	1	10	9	9.5	76.0	12.5	63.5	927.3	0
2	2	15	1	22	11	16.5	132.0	60.5	71.5	998.8	0
2	2	16	1	23	10	16.5	132.0	66.1	65.9	1064.6	0
2	2	17	1	1	10	5.5	44.0	0.1	43.9	1108.5	0
2	2	18	1	5	10	7.5	60.0	3.1	56.9	1165.4	0
2	2	19	1	15	1	8.0	64.0	28.1	35.9	1201.3	0
2	2	20	1	20	10	15.0	120.0	50.0	70.0	1271.3	0
2	2	21	1	20	10	15.0	120.0	50.0	70.0	1341.3	0
2	2	22	1	10	10	10.0	80.0	12.5	67.5	1408.8	0
2	2	23	1	20	5	12.5	100.0	50.0	50.0	1458.8	0
2	2	24	1	5	10	7.5	60.0	3.1	56.9	1515.6	0
2	2	25	1	18	10	14.0	112.0	40.5	71.5	1587.1	0
2	2	26	1	1	9	5.0	40.0	0.1	39.9	1627.0	0
2	2	27	1	1	10	5.5	44.0	0.1	43.9	1670.9	0
2	2	28	1	5	10	7.5	60.0	3.1	56.9	1727.8	0
2	2	29	1	10	10	10.0	80.0	12.5	67.5	1795.3	0
2	2	30	1	20	11	15.5	124.0	50.0	74.0	1869.3	0
7	2	1	1	7	40	23.5	188.0	4.9	183.1	183.1	1
7	2	2	1	10	30	20.0	160.0	10.0	150.0	333.1	1
7	2	3	1	50	32	41.0	328.0	250.0	78.0	411.1	1
7	2	4	1	10	40	25.0	200.0	10.0	190.0	601.1	1
7	2	5	1	10	35	22.5	180.0	10.0	170.0	771.1	1
7	2	6	1	10	38	24.0	192.0	10.0	182.0	953.1	1
7	2	7	1	10	23	16.5	132.0	10.0	122.0	1075.1	1
7	2	8	1	10	22	16.0	128.0	10.0	118.0	1193.1	1
7	2	9	1	7	32	19.5	156.0	4.9	151.1	1344.2	1
7	2	10	1	8	14	11.0	88.0	6.4	81.6	1425.8	1
7	2	11	1	50	10	30.0	240.0	250.0	-10.0	1415.8	1
7	2	12	1	10	20	15.0	120.0	10.0	110.0	1525.8	1
7	2	13	1	10	22	16.0	128.0	10.0	118.0	1643.8	1

7	2	14	1	9	10	9.5	76.0	8.1	67.9	1711.7	1
7	2	15	1	11	22	16.5	132.0	12.1	119.9	1831.6	1
7	2	16	1	10	23	16.5	132.0	10.0	122.0	1953.6	1
7	2	17	1	10	1	5.5	44.0	10.0	34.0	1987.6	1
7	2	18	1	10	5	7.5	60.0	10.0	50.0	2037.6	1
7	2	19	1	1	15	8.0	64.0	0.1	63.9	2101.5	1
7	2	20	1	10	20	15.0	120.0	10.0	110.0	2211.5	1
7	2	21	1	10	20	15.0	120.0	10.0	110.0	2321.5	1
7	2	22	1	10	10	10.0	80.0	10.0	70.0	2391.5	1
7	2	23	1	5	20	12.5	100.0	2.5	97.5	2489.0	1
7	2	24	1	10	5	7.5	60.0	10.0	50.0	2539.0	1
7	2	25	1	10	18	14.0	112.0	10.0	102.0	2641.0	1
7	2	26	1	9	1	5.0	40.0	8.1	31.9	2672.9	1
7	2	27	1	10	1	5.5	44.0	10.0	34.0	2706.9	1
7	2	28	1	10	5	7.5	60.0	10.0	50.0	2756.9	1
7	2	29	1	10	10	10.0	80.0	10.0	70.0	2826.9	1
7	2	30	1	11	20	15.5	124.0	12.1	111.9	2938.8	1
3	3	1	1	71	32	51.5	412.0	504.1	−92.1	−92.1	1
3	3	2	1	50	32	41.0	328.0	250.0	78.0	−14.1	1
3	3	3	1	50	40	45.0	360.0	250.0	110.0	95.9	1
3	3	4	1	60	45	52.5	420.0	360.0	60.0	155.9	1
3	3	5	1	70	32	51.0	408.0	490.0	−82.0	73.9	1
3	3	6	1	60	1	30.5	244.0	360.0	−116.0	−42.1	1
3	3	7	1	50	10	30.0	240.0	250.0	−10.0	−52.1	1
3	3	8	1	30	50	40.0	320.0	90.0	230.0	177.9	1
3	3	9	1	25	10	17.5	140.0	62.5	77.5	255.4	1
3	3	10	1	15	20	17.5	140.0	22.5	117.5	372.9	1
3	3	11	1	10	20	15.0	120.0	10.0	110.0	482.9	1
3	3	12	1	10	30	20.0	160.0	10.0	150.0	632.9	1
3	3	13	1	5	1	3.0	24.0	2.5	21.5	654.4	1
3	3	14	1	30	30	30.0	240.0	90.0	150.0	804.4	1
3	3	15	1	35	35	35.0	280.0	122.5	157.5	961.9	1
3	3	16	1	35	30	32.5	260.0	122.5	137.5	1099.4	1
3	3	17	1	40	30	35.0	280.0	160.0	120.0	1219.4	1
3	3	18	1	25	30	27.5	220.0	62.5	157.5	1376.9	1

3	3	19	1	20	30	25.0	200.0	40.0	160.0	1536.9	1
3	3	20	1	20	30	25.0	200.0	40.0	160.0	1696.9	1
3	3	21	1	20	20	20.0	160.0	40.0	120.0	1816.9	1
3	3	22	1	20	20	20.0	160.0	40.0	120.0	1936.9	1
3	3	23	1	30	20	25.0	200.0	90.0	110.0	2046.9	1
3	3	24	1	25	30	27.5	220.0	62.5	157.5	2204.4	1
3	3	25	1	25	20	22.5	180.0	62.5	117.5	2321.9	1
3	3	26	1	25	22	23.5	188.0	62.5	125.5	2447.4	1
3	3	27	1	30	20	25.0	200.0	90.0	110.0	2557.4	1
3	3	28	1	20	25	22.5	180.0	40.0	140.0	2697.4	1
3	3	29	1	18	20	19.0	152.0	32.4	119.6	2817.0	1
3	3	30	1	25	8	16.5	132.0	62.5	69.5	2886.5	1
6	3	1	1	32	71	51.5	412.0	128.0	284.0	284.0	0
6	3	2	1	32	50	41.0	328.0	128.0	200.0	484.0	0
6	3	3	1	40	50	45.0	360.0	200.0	160.0	644.0	0
6	3	4	1	45	60	52.5	420.0	253.1	166.9	810.9	0
6	3	5	1	32	70	51.0	408.0	128.0	280.0	1090.9	0
6	3	6	1	1	60	30.5	244.0	0.1	243.9	1334.8	0
6	3	7	1	10	50	30.0	240.0	12.5	227.5	1562.3	0
6	3	8	1	50	30	40.0	320.0	312.5	7.5	1569.8	0
6	3	9	1	10	25	17.5	140.0	12.5	127.5	1697.3	0
6	3	10	1	20	15	17.5	140.0	50.0	90.0	1787.3	0
6	3	11	1	20	10	15.0	120.0	50.0	70.0	1857.3	0
6	3	12	1	30	10	20.0	160.0	112.5	47.5	1904.8	0
6	3	13	1	1	5	3.0	24.0	0.1	23.9	1928.6	0
6	3	14	1	30	30	30.0	240.0	112.5	127.5	2056.1	0
6	3	15	1	35	35	35.0	280.0	153.1	126.9	2183.0	0
6	3	16	1	30	35	32.5	260.0	112.5	147.5	2330.5	0
6	3	17	1	30	40	35.0	280.0	112.5	167.5	2498.0	0
6	3	18	1	30	25	27.5	220.0	112.5	107.5	2605.5	0
6	3	19	1	30	20	25.0	200.0	112.5	87.5	2693.0	0
6	3	20	1	30	20	25.0	200.0	112.5	87.5	2780.5	0
6	3	21	1	20	20	20.0	160.0	50.0	110.0	2890.5	0
6	3	22	1	20	20	20.0	160.0	50.0	110.0	3000.5	0
6	3	23	1	20	30	25.0	200.0	50.0	150.0	3150.5	0

6	3	24	1	30	25	27.5	220.0	112.5	107.5	3258.0	0
6	3	25	1	20	25	22.5	180.0	50.0	130.0	3388.0	0
6	3	26	1	22	25	23.5	188.0	60.5	127.5	3515.5	0
6	3	27	1	20	30	25.0	200.0	50.0	150.0	3665.5	0
6	3	28	1	25	20	22.5	180.0	78.1	101.9	3767.4	0
6	3	29	1	20	18	19.0	152.0	50.0	102.0	3869.4	0
6	3	30	1	8	25	16.5	132.0	8.0	124.0	3993.4	0
4	4	1	1	80	26	53.0	424.0	800.0	-376.0	-376.0	0
4	4	2	1	80	100	90.0	720.0	800.0	-80.0	-456.0	0
4	4	3	1	100	50	75.0	600.0	1250.0	-650.0	-1106.0	0
4	4	4	1	100	10	55.0	440.0	1250.0	-810.0	-1916.0	0
4	4	5	1	1	5	3.0	24.0	0.1	23.9	-1892.1	0
4	4	6	1	10	1	5.5	44.0	12.5	31.5	-1860.6	0
4	4	7	1	1	1	1.0	8.0	0.1	7.9	-1852.8	0
4	4	8	1	1	50	25.5	204.0	0.1	203.9	-1648.9	0
4	4	9	1	1	1	1.0	8.0	0.1	7.9	-1641.0	0
4	4	10	1	3	1	2.0	16.0	1.1	14.9	-1626.1	0
4	4	11	1	1	1	1.0	8.0	0.1	7.9	-1618.3	0
4	4	12	1	1	2	1.5	12.0	0.1	11.9	-1606.4	0
4	4	13	1	2	1	1.5	12.0	0.5	11.5	-1594.9	0
4	4	14	1	2	3	2.5	20.0	0.5	19.5	-1575.4	0
4	4	15	1	4	4	4.0	32.0	2.0	30.0	-1545.4	0
4	4	16	1	5	10	7.5	60.0	3.1	56.9	-1488.5	0
4	4	17	1	10	20	15.0	120.0	12.5	107.5	-1381.0	0
4	4	18	1	25	30	27.5	220.0	78.1	141.9	-1239.1	0
4	4	19	1	35	45	40.0	320.0	153.1	166.9	-1072.3	0
4	4	20	1	45	50	47.5	380.0	253.1	126.9	-945.4	0
4	4	21	1	50	70	60.0	480.0	312.5	167.5	-777.9	0
4	4	22	1	55	60	57.5	460.0	378.1	81.9	-696.0	0
4	4	23	1	60	65	62.5	500.0	450.0	50.0	-646.0	0
4	4	24	1	70	1	35.5	284.0	612.5	-328.5	-974.5	0
4	4	25	1	70	10	40.0	320.0	612.5	-292.5	-1267.0	0
4	4	26	1	70	25	47.5	380.0	612.5	-232.5	-1499.5	0
4	4	27	1	70	35	52.5	420.0	612.5	-192.5	-1692.0	0
4	4	28	1	90	25	57.5	460.0	1012.5	-552.5	-2244.5	0

4	4	29	1	90	1	45.5	364.0	1012.5	-648.5	-2893.0	0
4	4	30	1	1	1	1.0	8.0	0.1	7.9	-2885.1	0
5	4	1	1	26	80	53.0	424.0	67.6	356.4	356.4	1
5	4	2	1	100	80	90.0	720.0	1000.0	-280.0	76.4	1
5	4	3	1	50	100	75.0	600.0	250.0	350.0	426.4	1
5	4	4	1	10	100	55.0	440.0	10.0	430.0	856.4	1
5	4	5	1	5	1	3.0	24.0	2.5	21.5	877.9	1
5	4	6	1	1	10	5.5	44.0	0.1	43.9	921.8	1
5	4	7	1	1	1	1.0	8.0	0.1	7.9	929.7	1
5	4	8	1	50	1	25.5	204.0	250.0	-46.0	883.7	1
5	4	9	1	1	1	1.0	8.0	0.1	7.9	891.6	1
5	4	10	1	1	3	2.0	16.0	0.1	15.9	907.5	1
5	4	11	1	1	1	1.0	8.0	0.1	7.9	915.4	1
5	4	12	1	2	1	1.5	12.0	0.4	11.6	927.0	1
5	4	13	1	1	2	1.5	12.0	0.1	11.9	938.9	1
5	4	14	1	3	2	2.5	20.0	0.9	19.1	958.0	1
5	4	15	1	4	4	4.0	32.0	1.6	30.4	988.4	1
5	4	16	1	10	5	7.5	60.0	10.0	50.0	1038.4	1
5	4	17	1	20	10	15.0	120.0	40.0	80.0	1118.4	1
5	4	18	1	30	25	27.5	220.0	90.0	130.0	1248.4	1
5	4	19	1	45	35	40.0	320.0	202.5	117.5	1365.9	1
5	4	20	1	50	45	47.5	380.0	250.0	130.0	1495.9	1
5	4	21	1	70	50	60.0	480.0	490.0	-10.0	1485.9	1
5	4	22	1	60	55	57.5	460.0	360.0	100.0	1585.9	1
5	4	23	1	65	60	62.5	500.0	422.5	77.5	1663.4	1
5	4	24	1	1	70	35.5	284.0	0.1	283.9	1947.3	1
5	4	25	1	10	70	40.0	320.0	10.0	310.0	2257.3	1
5	4	26	1	25	70	47.5	380.0	62.5	317.5	2574.8	1
5	4	27	1	35	70	52.5	420.0	122.5	297.5	2872.3	1
5	4	28	1	25	90	57.5	460.0	62.5	397.5	3269.8	1
5	4	29	1	1	90	45.5	364.0	0.1	363.9	3633.7	1
5	4	30	1	1	1	1.0	8.0	0.1	7.9	3641.6	1
9	5	1	2	40	79	59.5	476.0	160.0	316.0	316.0	1
9	5	2	2	20	50	35.0	280.0	40.0	240.0	556.0	1
9	5	3	2	40	20	30.0	240.0	160.0	80.0	636.0	1

9	5	4	2	30	30	30.0	240.0	90.0	150.0	786.0	1
9	5	5	2	35	30	32.5	260.0	122.5	137.5	923.5	1
9	5	6	2	35	32	33.5	268.0	122.5	145.5	1069.0	1
9	5	7	2	20	33	26.5	212.0	40.0	172.0	1241.0	1
9	5	8	2	30	20	25.0	200.0	90.0	110.0	1351.0	1
9	5	9	2	30	25	27.5	220.0	90.0	130.0	1481.0	1
9	5	10	2	30	28	29.0	232.0	90.0	142.0	1623.0	1
9	5	11	2	27	29	28.0	224.0	72.9	151.1	1774.1	1
9	5	12	2	30	28	29.0	232.0	90.0	142.0	1916.1	1
9	5	13	2	27	29	28.0	224.0	72.9	151.1	2067.2	1
9	5	14	2	27	28	27.5	220.0	72.9	147.1	2214.3	1
9	5	15	2	35	28	31.5	252.0	122.5	129.5	2343.8	1
9	5	16	2	36	32	34.0	272.0	129.6	142.4	2486.2	1
9	5	17	2	35	34	34.5	276.0	122.5	153.5	2639.7	1
9	5	18	2	35	35	35.0	280.0	122.5	157.5	2797.2	1
9	5	19	2	37	35	36.0	288.0	136.9	151.1	2948.3	1
9	5	20	2	37	36	36.5	292.0	136.9	155.1	3103.4	1
9	5	21	2	36	37	36.5	292.0	129.6	162.4	3265.8	1
9	5	22	2	37	37	37.0	296.0	136.9	159.1	3424.9	1
9	5	23	2	38	37	37.5	300.0	144.4	155.6	3580.5	1
9	5	24	2	38	40	39.0	312.0	144.4	167.6	3748.1	1
9	5	25	2	40	39	39.5	316.0	160.0	156.0	3904.1	1
9	5	26	2	40	43	41.5	332.0	160.0	172.0	4076.1	1
9	5	27	2	40	44	42.0	336.0	160.0	176.0	4252.1	1
9	5	28	2	40	46	43.0	344.0	160.0	184.0	4436.1	1
9	5	29	2	40	45	42.5	340.0	160.0	180.0	4616.1	1
9	5	30	2	32	20	26.0	208.0	102.4	105.6	4721.7	1
16	5	1	2	79	40	59.5	476.0	780.1	-304.1	-304.1	0
16	5	2	2	50	20	35.0	280.0	312.5	-32.5	-336.6	0
16	5	3	2	20	40	30.0	240.0	50.0	190.0	-146.6	0
16	5	4	2	30	30	30.0	240.0	112.5	127.5	-19.1	0
16	5	5	2	30	35	32.5	260.0	112.5	147.5	128.4	0
16	5	6	2	32	35	33.5	268.0	128.0	140.0	268.4	0
16	5	7	2	33	20	26.5	212.0	136.1	75.9	344.3	0
16	5	8	2	20	30	25.0	200.0	50.0	150.0	494.3	0

16	5	9	2	25	30	27.5	220.0	78.1	141.9	636.1	0
16	5	10	2	28	30	29.0	232.0	98.0	134.0	770.1	0
16	5	11	2	29	27	28.0	224.0	105.1	118.9	889.0	0
16	5	12	2	28	30	29.0	232.0	98.0	134.0	1023.0	0
16	5	13	2	29	27	28.0	224.0	105.1	118.9	1141.9	0
16	5	14	2	28	27	27.5	220.0	98.0	122.0	1263.9	0
16	5	15	2	28	35	31.5	252.0	98.0	154.0	1417.9	0
16	5	16	2	32	36	34.0	272.0	128.0	144.0	1561.9	0
16	5	17	2	34	35	34.5	276.0	144.5	131.5	1693.4	0
16	5	18	2	35	35	35.0	280.0	153.1	126.9	1820.3	0
16	5	19	2	35	37	36.0	288.0	153.1	134.9	1955.1	0
16	5	20	2	36	37	36.5	292.0	162.0	130.0	2085.1	0
16	5	21	2	37	36	36.5	292.0	171.1	120.9	2206.0	0
16	5	22	2	37	37	37.0	296.0	171.1	124.9	2330.9	0
16	5	23	2	37	38	37.5	300.0	171.1	128.9	2459.8	0
16	5	24	2	40	38	39.0	312.0	200.0	112.0	2571.8	0
16	5	25	2	39	40	39.5	316.0	190.1	125.9	2697.6	0
16	5	26	2	43	40	41.5	332.0	231.1	100.9	2798.5	0
16	5	27	2	44	40	42.0	336.0	242.0	94.0	2892.5	0
16	5	28	2	46	40	43.0	344.0	264.5	79.5	2972.0	0
16	5	29	2	45	40	42.5	340.0	253.1	86.9	3058.9	0
16	5	30	2	20	32	26.0	208.0	50.0	158.0	3216.9	0
10	6	1	2	40	60	50.0	400.0	200.0	200.0	200.0	0
10	6	2	2	30	65	47.5	380.0	112.5	267.5	467.5	0
10	6	3	2	39	48	43.5	348.0	190.1	157.9	625.4	0
10	6	4	2	40	54	47.0	376.0	200.0	176.0	801.4	0
10	6	5	2	39	56	47.5	380.0	190.1	189.9	991.3	0
10	6	6	2	39	57	48.0	384.0	190.1	193.9	1185.1	0
10	6	7	2	30	60	45.0	360.0	112.5	247.5	1432.6	0
10	6	8	2	30	52	41.0	328.0	112.5	215.5	1648.1	0
10	6	9	2	30	48	39.0	312.0	112.5	199.5	1847.6	0
10	6	10	2	30	45	37.5	300.0	112.5	187.5	2035.1	0
10	6	11	2	30	43	36.5	292.0	112.5	179.5	2214.6	0
10	6	12	2	39	40	39.5	316.0	190.1	125.9	2340.5	0
10	6	13	2	40	38	39.0	312.0	200.0	112.0	2452.5	0

10	6	14	2	40	36	38.0	304.0	200.0	104.0	2556.5	0
10	6	15	2	29	34	31.5	252.0	105.1	146.9	2703.4	0
10	6	16	2	29	30	29.5	236.0	105.1	130.9	2834.3	0
10	6	17	2	29	28	28.5	228.0	105.1	122.9	2957.1	0
10	6	18	2	30	26	28.0	224.0	112.5	111.5	3068.6	0
10	6	19	2	29	25	27.0	216.0	105.1	110.9	3179.5	0
10	6	20	2	37	24	30.5	244.0	171.1	72.9	3252.4	0
10	6	21	2	39	36	37.5	300.0	190.1	109.9	3362.3	0
10	6	22	2	30	38	34.0	272.0	112.5	159.5	3521.8	0
10	6	23	2	30	28	29.0	232.0	112.5	119.5	3641.3	0
10	6	24	2	30	26	28.0	224.0	112.5	111.5	3752.8	0
10	6	25	2	30	24	27.0	216.0	112.5	103.5	3856.3	0
10	6	26	2	39	26	32.5	260.0	190.1	69.9	3926.1	0
10	6	27	2	30	32	31.0	248.0	112.5	135.5	4061.6	0
10	6	28	2	30	28	29.0	232.0	112.5	119.5	4181.1	0
10	6	29	2	30	26	28.0	224.0	112.5	111.5	4292.6	0
10	6	30	2	35	24	29.5	236.0	153.1	82.9	4375.5	0
15	6	1	2	60	40	50.0	400.0	360.0	40.0	40.0	1
15	6	2	2	65	30	47.5	380.0	422.5	-42.5	-2.5	1
15	6	3	2	48	39	43.5	348.0	230.4	117.6	115.1	1
15	6	4	2	54	40	47.0	376.0	291.6	84.4	199.5	1
15	6	5	2	56	39	47.5	380.0	313.6	66.4	265.9	1
15	6	6	2	57	39	48.0	384.0	324.9	59.1	325.0	1
15	6	7	2	60	30	45.0	360.0	360.0	0.0	325.0	1
15	6	8	2	52	30	41.0	328.0	270.4	57.6	382.6	1
15	6	9	2	48	30	39.0	312.0	230.4	81.6	464.2	1
15	6	10	2	45	30	37.5	300.0	202.5	97.5	561.7	1
15	6	11	2	43	30	36.5	292.0	184.9	107.1	668.8	1
15	6	12	2	40	39	39.5	316.0	160.0	156.0	824.8	1
15	6	13	2	38	40	39.0	312.0	144.4	167.6	992.4	1
15	6	14	2	36	40	38.0	304.0	129.6	174.4	1166.8	1
15	6	15	2	34	29	31.5	252.0	115.6	136.4	1303.2	1
15	6	16	2	30	29	29.5	236.0	90.0	146.0	1449.2	1
15	6	17	2	28	29	28.5	228.0	78.4	149.6	1598.8	1
15	6	18	2	26	30	28.0	224.0	67.6	156.4	1755.2	1

15	6	19	2	25	29	27.0	216.0	62.5	153.5	1908.7	1
15	6	20	2	24	37	30.5	244.0	57.6	186.4	2095.1	1
15	6	21	2	36	39	37.5	300.0	129.6	170.4	2265.5	1
15	6	22	2	38	30	34.0	272.0	144.4	127.6	2393.1	1
15	6	23	2	28	30	29.0	232.0	78.4	153.6	2546.7	1
15	6	24	2	26	30	28.0	224.0	67.6	156.4	2703.1	1
15	6	25	2	24	30	27.0	216.0	57.6	158.4	2861.5	1
15	6	26	2	26	39	32.5	260.0	67.6	192.4	3053.9	1
15	6	27	2	32	30	31.0	248.0	102.4	145.6	3199.5	1
15	6	28	2	28	30	29.0	232.0	78.4	153.6	3353.1	1
15	6	29	2	26	30	28.0	224.0	67.6	156.4	3509.5	1
15	6	30	2	24	35	29.5	236.0	57.6	178.4	3687.9	1
11	7	1	2	50	90	70.0	560.0	250.0	310.0	310.0	1
11	7	2	2	50	90	70.0	560.0	250.0	310.0	620.0	1
11	7	3	2	50	90	70.0	560.0	250.0	310.0	930.0	1
11	7	4	2	50	70	60.0	480.0	250.0	230.0	1160.0	1
11	7	5	2	50	70	60.0	480.0	250.0	230.0	1390.0	1
11	7	6	2	50	70	60.0	480.0	250.0	230.0	1620.0	1
11	7	7	2	50	60	55.0	440.0	250.0	190.0	1810.0	1
11	7	8	2	50	40	45.0	360.0	250.0	110.0	1920.0	1
11	7	9	2	100	30	65.0	520.0	1000.0	-480.0	1440.0	1
11	7	10	2	50	20	35.0	280.0	250.0	30.0	1470.0	1
11	7	11	2	60	30	45.0	360.0	360.0	0.0	1470.0	1
11	7	12	2	50	50	50.0	400.0	250.0	150.0	1620.0	1
11	7	13	2	50	20	35.0	280.0	250.0	30.0	1650.0	1
11	7	14	2	50	30	40.0	320.0	250.0	70.0	1720.0	1
11	7	15	2	50	20	35.0	280.0	250.0	30.0	1750.0	1
11	7	16	2	50	25	37.5	300.0	250.0	50.0	1800.0	1
11	7	17	2	50	20	35.0	280.0	250.0	30.0	1830.0	1
11	7	18	2	50	17	33.5	268.0	250.0	18.0	1848.0	1
11	7	19	2	25	15	20.0	160.0	62.5	97.5	1945.5	1
11	7	20	2	15	30	22.5	180.0	22.5	157.5	2103.0	1
11	7	21	2	15	15	15.0	120.0	22.5	97.5	2200.5	1
11	7	22	2	20	20	20.0	160.0	40.0	120.0	2320.5	1
11	7	23	2	25	25	25.0	200.0	62.5	137.5	2458.0	1

11	7	24	2	30	30	30.0	240.0	90.0	150.0	2608.0	1
11	7	25	2	35	35	35.0	280.0	122.5	157.5	2765.5	1
11	7	26	2	40	40	40.0	320.0	160.0	160.0	2925.5	1
11	7	27	2	45	45	45.0	360.0	202.5	157.5	3083.0	1
11	7	28	2	40	30	35.0	280.0	160.0	120.0	3203.0	1
11	7	29	2	25	25	25.0	200.0	62.5	137.5	3340.5	1
11	7	30	2	35	10	22.5	180.0	122.5	57.5	3398.0	1
14	7	1	2	90	50	70.0	560.0	1012.5	-452.5	-452.5	0
14	7	2	2	90	50	70.0	560.0	1012.5	-452.5	-905.0	0
14	7	3	2	90	50	70.0	560.0	1012.5	-452.5	-1357.5	0
14	7	4	2	70	50	60.0	480.0	612.5	-132.5	-1490.0	0
14	7	5	2	70	50	60.0	480.0	612.5	-132.5	-1622.5	0
14	7	6	2	70	50	60.0	480.0	612.5	-132.5	-1755.0	0
14	7	7	2	60	50	55.0	440.0	450.0	-10.0	-1765.0	0
14	7	8	2	40	50	45.0	360.0	200.0	160.0	-1605.0	0
14	7	9	2	30	100	65.0	520.0	112.5	407.5	-1197.5	0
14	7	10	2	20	50	35.0	280.0	50.0	230.0	-967.5	0
14	7	11	2	30	60	45.0	360.0	112.5	247.5	-720.0	0
14	7	12	2	50	50	50.0	400.0	312.5	87.5	-632.5	0
14	7	13	2	20	50	35.0	280.0	50.0	230.0	-402.5	0
14	7	14	2	30	50	40.0	320.0	112.5	207.5	-195.0	0
14	7	15	2	20	50	35.0	280.0	50.0	230.0	35.0	0
14	7	16	2	25	50	37.5	300.0	78.1	221.9	256.9	0
14	7	17	2	20	50	35.0	280.0	50.0	230.0	486.9	0
14	7	18	2	17	50	33.5	268.0	36.1	231.9	718.8	0
14	7	19	2	15	25	20.0	160.0	28.1	131.9	850.6	0
14	7	20	2	30	15	22.5	180.0	112.5	67.5	918.1	0
14	7	21	2	15	15	15.0	120.0	28.1	91.9	1010.0	0
14	7	22	2	20	20	20.0	160.0	50.0	110.0	1120.0	0
14	7	23	2	25	25	25.0	200.0	78.1	121.9	1241.9	0
14	7	24	2	30	30	30.0	240.0	112.5	127.5	1369.4	0
14	7	25	2	35	35	35.0	280.0	153.1	126.9	1496.3	0
14	7	26	2	40	40	40.0	320.0	200.0	120.0	1616.3	0
14	7	27	2	45	45	45.0	360.0	253.1	106.9	1723.1	0
14	7	28	2	30	40	35.0	280.0	112.5	167.5	1890.6	0

14	7	29	2	25	25	25.0	200.0	78.1	121.9	2012.5	0
14	7	30	2	10	35	22.5	180.0	12.5	167.5	2180.0	0
12	8	1	2	15	26	20.5	164.0	28.1	135.9	135.9	0
12	8	2	2	10	30	20.0	160.0	12.5	147.5	283.4	0
12	8	3	2	5	28	16.5	132.0	3.1	128.9	412.3	0
12	8	4	2	5	29	17.0	136.0	3.1	132.9	545.1	0
12	8	5	2	1	27	14.0	112.0	0.1	111.9	657.0	0
12	8	6	2	1	31	16.0	128.0	0.1	127.9	784.9	0
12	8	7	2	1	32	16.5	132.0	0.1	131.9	916.8	0
12	8	8	2	1	32	16.5	132.0	0.1	131.9	1048.6	0
12	8	9	2	1	30	15.5	124.0	0.1	123.9	1172.5	0
12	8	10	2	1	29	15.0	120.0	0.1	119.9	1292.4	0
12	8	11	2	1	29	15.0	120.0	0.1	119.9	1412.3	0
12	8	12	2	1	30	15.5	124.0	0.1	123.9	1536.1	0
12	8	13	2	1	31	16.0	128.0	0.1	127.9	1664.0	0
12	8	14	2	1	30	15.5	124.0	0.1	123.9	1787.9	0
12	8	15	2	1	30	15.5	124.0	0.1	123.9	1911.8	0
12	8	16	2	1	33	17.0	136.0	0.1	135.9	2047.6	0
12	8	17	2	1	29	15.0	120.0	0.1	119.9	2167.5	0
12	8	18	2	1	27	14.0	112.0	0.1	111.9	2279.4	0
12	8	19	2	1	29	15.0	120.0	0.1	119.9	2399.3	0
12	8	20	2	1	29	15.0	120.0	0.1	119.9	2519.1	0
12	8	21	2	1	31	16.0	128.0	0.1	127.9	2647.0	0
12	8	22	2	1	29	15.0	120.0	0.1	119.9	2766.9	0
12	8	23	2	1	28	14.5	116.0	0.1	115.9	2882.8	0
12	8	24	2	1	30	15.5	124.0	0.1	123.9	3006.6	0
12	8	25	2	1	29	15.0	120.0	0.1	119.9	3126.5	0
12	8	26	2	1	29	15.0	120.0	0.1	119.9	3246.4	0
12	8	27	2	1	30	15.5	124.0	0.1	123.9	3370.3	0
12	8	28	2	1	30	15.5	124.0	0.1	123.9	3494.1	0
12	8	29	2	1	31	16.0	128.0	0.1	127.9	3622.0	0
12	8	30	2	1	29	15.0	120.0	0.1	119.9	3741.9	0
13	8	1	2	26	15	20.5	164.0	67.6	96.4	96.4	1
13	8	2	2	30	10	20.0	160.0	90.0	70.0	166.4	1
13	8	3	2	28	5	16.5	132.0	78.4	53.6	220.0	1

13	8	4	2	29	5	17.0	136.0	84.1	51.9	271.9	1
13	8	5	2	27	1	14.0	112.0	72.9	39.1	311.0	1
13	8	6	2	31	1	16.0	128.0	96.1	31.9	342.9	1
13	8	7	2	32	1	16.5	132.0	102.4	29.6	372.5	1
13	8	8	2	32	1	16.5	132.0	102.4	29.6	402.1	1
13	8	9	2	30	1	15.5	124.0	90.0	34.0	436.1	1
13	8	10	2	29	1	15.0	120.0	84.1	35.9	472.0	1
13	8	11	2	29	1	15.0	120.0	84.1	35.9	507.9	1
13	8	12	2	30	1	15.5	124.0	90.0	34.0	541.9	1
13	8	13	2	31	1	16.0	128.0	96.1	31.9	573.8	1
13	8	14	2	30	1	15.5	124.0	90.0	34.0	607.8	1
13	8	15	2	30	1	15.5	124.0	90.0	34.0	641.8	1
13	8	16	2	33	1	17.0	136.0	108.9	27.1	668.9	1
13	8	17	2	29	1	15.0	120.0	84.1	35.9	704.8	1
13	8	18	2	27	1	14.0	112.0	72.9	39.1	743.9	1
13	8	19	2	29	1	15.0	120.0	84.1	35.9	779.8	1
13	8	20	2	29	1	15.0	120.0	84.1	35.9	815.7	1
13	8	21	2	31	1	16.0	128.0	96.1	31.9	847.6	1
13	8	22	2	29	1	15.0	120.0	84.1	35.9	883.5	1
13	8	23	2	28	1	14.5	116.0	78.4	37.6	921.1	1
13	8	24	2	30	1	15.5	124.0	90.0	34.0	955.1	1
13	8	25	2	29	1	15.0	120.0	84.1	35.9	991.0	1
13	8	26	2	29	1	15.0	120.0	84.1	35.9	1026.9	1
13	8	27	2	30	1	15.5	124.0	90.0	34.0	1060.9	1
13	8	28	2	30	1	15.5	124.0	90.0	34.0	1094.9	1
13	8	29	2	31	1	16.0	128.0	96.1	31.9	1126.8	1
13	8	30	2	29	1	15.0	120.0	84.1	35.9	1162.7	1