



Determine what rule the function machine is using.

1)

In	Out
11	26
29	44
29	44
36	51
47	62

2)

In	Out
19	10
30	21
35	26
55	46
56	47

3)

In	Out
31	39
36	44
39	47
44	52
49	57

4)

In	Out
26	15
37	26
40	29
42	31
49	38

5)

In	Out
18	28
29	39
39	49
40	50
42	52

6)

Input	Output
11	19
25	33
27	35
37	45
42	50

7)

In	Out
15	22
24	31
29	36
34	41
44	51

8)

Input	Output
16	10
22	16
25	19
32	26
52	46

9)

In	Out
10	23
21	34
28	41
30	43
38	51

10)

In	Out
25	15
29	19
35	25
40	30
42	32

11)

In	Out
36	26
39	29
42	32
45	35
58	48

12)

Input	Output
23	35
26	38
31	43
36	48
49	61

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____



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Input	Output
11	19
25	33
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In	Out
15	22
24	31
29	36
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Input	Output
16	10
22	16
25	19
32	26
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9)

In	Out
10	23
21	34
28	41
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In	Out
25	15
29	19
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In	Out
36	26
39	29
42	32
45	35
58	48

12)

Input	Output
23	35
26	38
31	43
36	48
49	61

Answers

1. **Add 15**

2. **Sub 9**

3. **Add 8**

4. **Sub 11**

5. **Add 10**

6. **Add 8**

7. **Add 7**

8. **Sub 6**

9. **Add 13**

10. **Sub 10**

11. **Sub 10**

12. **Add 12**



Determine what rule the function machine is using.

1)

In	Out
11	26
29	44
29	44
36	51
47	62

- Add 18
- Add 15
- Add 13
- Sub 18

2)

In	Out
19	10
30	21
35	26
55	46
56	47

- Sub 10
- Sub 9
- Sub 8
- Add 10

3)

In	Out
31	39
36	44
39	47
44	52
49	57

- Add 8
- Add 5
- Sub 8
- Sub 11

4)

In	Out
26	15
37	26
40	29
42	31
49	38

- Sub 11
- Sub 9
- Add 12
- Sub 12

5)

In	Out
18	28
29	39
39	49
40	50
42	52

- Add 10
- Add 13
- Sub 10
- Add 7

6)

Input	Output
11	19
25	33
27	35
37	45
42	50

- Sub 8
- Add 5
- Sub 10
- Add 8

7)

In	Out
15	22
24	31
29	36
34	41
44	51

- Sub 8
- Add 4
- Sub 7
- Add 7

8)

Input	Output
16	10
22	16
25	19
32	26
52	46

- Sub 8
- Add 6
- Sub 6
- Add 8

9)

In	Out
10	23
21	34
28	41
30	43
38	51

- Add 13
- Add 12
- Sub 14
- Sub 13

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____