



Determine what rule the function machine is using.

1)

Input	Output
13	24
15	26
31	42
35	46
40	51

2)

Input	Output
13	28
15	30
27	42
34	49
44	59

3)

Input	Output
12	26
28	42
39	53
41	55
50	64

4)

In	Out
25	29
29	33
43	47
47	51
48	52

5)

Input	Output
17	10
38	31
52	45
53	46
54	47

6)

Input	Output
17	11
28	22
35	29
40	34
53	47

7)

Input	Output
10	15
15	20
34	39
48	53
49	54

8)

Input	Output
32	19
34	21
47	34
58	45
63	50

9)

In	Out
24	14
26	16
33	23
41	31
59	49

10)

Input	Output
16	28
18	30
26	38
31	43
46	58

11)

In	Out
20	14
25	19
32	26
48	42
56	50

12)

In	Out
16	29
28	41
29	42
31	44
42	55

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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16	28
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In	Out
20	14
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In	Out
16	29
28	41
29	42
31	44
42	55

Answers

1. **Add 11**

2. **Add 15**

3. **Add 14**

4. **Add 4**

5. **Sub 7**

6. **Sub 6**

7. **Add 5**

8. **Sub 13**

9. **Sub 10**

10. **Add 12**

11. **Sub 6**

12. **Add 13**



Determine what rule the function machine is using.

1)

In	Out
13	24
15	26
31	42
35	46
40	51

- Add 8
- Add 14
- Sub 14
- Add 11

2)

In	Out
13	28
15	30
27	42
34	49
44	59

- Add 18
- Add 14
- Sub 15
- Add 15

3)

In	Out
12	26
28	42
39	53
41	55
50	64

- Add 14
- Add 12
- Sub 16
- Add 16

4)

In	Out
25	29
29	33
43	47
47	51
48	52

- Sub 7
- Sub 4
- Add 3
- Add 4

5)

In	Out
17	10
38	31
52	45
53	46
54	47

- Add 7
- Sub 7
- Add 9
- Sub 4

6)

In	Out
17	11
28	22
35	29
40	34
53	47

- Add 9
- Sub 3
- Sub 6
- Sub 9

7)

In	Out
10	15
15	20
34	39
48	53
49	54

- Sub 7
- Sub 5
- Add 5
- Add 4

8)

In	Out
32	19
34	21
47	34
58	45
63	50

- Add 15
- Add 13
- Sub 12
- Sub 13

9)

In	Out
24	14
26	16
33	23
41	31
59	49

- Add 13
- Add 10
- Sub 9
- Sub 10

Answers

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