



Determine what rule the function machine is using.

1)

In	Out
22	36
33	47
41	55
47	61
50	64

2)

Input	Output
15	10
20	15
38	33
40	35
41	36

3)

Input	Output
33	28
45	40
45	40
46	41
55	50

4)

Input	Output
13	21
17	25
20	28
38	46
41	49

5)

Input	Output
10	19
19	28
30	39
33	42
43	52

6)

Input	Output
28	20
30	22
40	32
41	33
43	35

7)

In	Out
15	30
31	46
39	54
45	60
50	65

8)

Input	Output
37	29
38	30
44	36
48	40
56	48

9)

In	Out
22	18
28	24
29	25
33	29
38	34

10)

In	Out
32	19
34	21
41	28
43	30
46	33

11)

In	Out
11	17
22	28
34	40
37	43
42	48

12)

In	Out
10	19
12	21
12	21
26	35
50	59

Answers

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



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37	29
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22	18
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12)

In	Out
10	19
12	21
12	21
26	35
50	59

Answers

1. **Add 14**

2. **Sub 5**

3. **Sub 5**

4. **Add 8**

5. **Add 9**

6. **Sub 8**

7. **Add 15**

8. **Sub 8**

9. **Sub 4**

10. **Sub 13**

11. **Add 6**

12. **Add 9**



Determine what rule the function machine is using.

1)

In	Out
22	36
33	47
41	55
47	61
50	64

- Sub 15
- Sub 14
- Add 11
- Add 14

2)

Input	Output
15	10
20	15
38	33
40	35
41	36

- Add 6
- Sub 6
- Add 5
- Sub 5

3)

Input	Output
33	28
45	40
45	40
46	41
55	50

- Sub 4
- Add 8
- Sub 8
- Sub 5

4)

Input	Output
13	21
17	25
20	28
38	46
41	49

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

5)

Input	Output
10	19
19	28
30	39
33	42
43	52

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

6)

Input	Output
28	20
30	22
40	32
41	33
43	35

- Sub 8
- Add 8
- Sub 7
- Add 9

7)

In	Out
15	30
31	46
39	54
45	60
50	65

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

8)

Input	Output
37	29
38	30
44	36
48	40
56	48

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

9)

In	Out
22	18
28	24
29	25
33	29
38	34

- Sub 2
- Add 4
- Sub 4
- Add 5

Answers

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