



Determine what rule the function machine is using.

1)

In	Out
33	18
35	20
39	24
50	35
55	40

2)

In	Out
10	18
16	24
25	33
32	40
42	50

3)

Input	Output
34	19
51	36
55	40
60	45
61	46

4)

Input	Output
14	28
19	33
28	42
36	50
46	60

5)

Input	Output
20	15
26	21
39	34
47	42
52	47

6)

Input	Output
26	12
38	24
42	28
46	32
61	47

7)

In	Out
29	25
38	34
45	41
46	42
52	48

8)

Input	Output
13	25
23	35
26	38
29	41
50	62

9)

In	Out
20	14
22	16
43	37
49	43
53	47

10)

In	Out
20	30
25	35
26	36
30	40
36	46

11)

In	Out
19	14
36	31
39	34
43	38
46	41

12)

Input	Output
12	17
14	19
25	30
27	32
28	33

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
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11. \_\_\_\_\_
12. \_\_\_\_\_



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19	14
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Input	Output
12	17
14	19
25	30
27	32
28	33

Answers

1. **Sub 15**

2. **Add 8**

3. **Sub 15**

4. **Add 14**

5. **Sub 5**

6. **Sub 14**

7. **Sub 4**

8. **Add 12**

9. **Sub 6**

10. **Add 10**

11. **Sub 5**

12. **Add 5**



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1)

In	Out
33	18
35	20
39	24
50	35
55	40

- Sub 15
- Add 16
- Add 15
- Sub 14

2)

In	Out
10	18
16	24
25	33
32	40
42	50

- Sub 10
- Add 8
- Add 6
- Sub 8

3)

In	Out
34	19
51	36
55	40
60	45
61	46

- Add 15
- Sub 16
- Add 16
- Sub 15

4)

In	Out
14	28
19	33
28	42
36	50
46	60

- Sub 14
- Add 12
- Add 14
- Sub 17

5)

In	Out
20	15
26	21
39	34
47	42
52	47

- Sub 3
- Sub 5
- Add 8
- Sub 8

6)

In	Out
26	12
38	24
42	28
46	32
61	47

- Add 14
- Add 16
- Sub 13
- Sub 14

7)

In	Out
29	25
38	34
45	41
46	42
52	48

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

8)

In	Out
13	25
23	35
26	38
29	41
50	62

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

9)

In	Out
20	14
22	16
43	37
49	43
53	47

- Sub 4
- Add 8
- Sub 6
- Sub 8

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_