



Determine what rule the function machine is using.

1)

Input	Output
20	14
25	19
34	28
35	29
41	35

2)

Input	Output
12	17
19	24
24	29
28	33
36	41

3)

In	Out
10	24
25	39
35	49
43	57
50	64

4)

In	Out
10	21
19	30
42	53
44	55
49	60

5)

In	Out
33	22
34	23
49	38
54	43
58	47

6)

Input	Output
31	16
38	23
40	25
47	32
56	41

7)

Input	Output
11	26
24	39
36	51
40	55
50	65

8)

Input	Output
15	25
30	40
36	46
42	52
44	54

9)

Input	Output
17	27
25	35
34	44
36	46
39	49

10)

In	Out
24	39
29	44
33	48
39	54
41	56

11)

In	Out
26	38
34	46
42	54
45	57
47	59

12)

Input	Output
12	26
18	32
35	49
39	53
44	58

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
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9. _____
10. _____
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24	39
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26	38
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Input	Output
12	26
18	32
35	49
39	53
44	58

Answers

1. Sub 6

2. Add 5

3. Add 14

4. Add 11

5. Sub 11

6. Sub 15

7. Add 15

8. Add 10

9. Add 10

10. Add 15

11. Add 12

12. Add 14



Determine what rule the function machine is using.

1)

In	Out
20	14
25	19
34	28
35	29
41	35

- Add 9
- Sub 6
- Sub 9
- Sub 4

2)

In	Out
12	17
19	24
24	29
28	33
36	41

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

3)

In	Out
10	24
25	39
35	49
43	57
50	64

- Sub 14
- Add 14
- Sub 15
- Add 13

4)

In	Out
10	21
19	30
42	53
44	55
49	60

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

5)

In	Out
33	22
34	23
49	38
54	43
58	47

- Add 12
- Add 11
- Sub 11
- Sub 8

6)

In	Out
31	16
38	23
40	25
47	32
56	41

- Sub 14
- Sub 17
- Sub 15
- Add 15

7)

In	Out
11	26
24	39
36	51
40	55
50	65

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

8)

In	Out
15	25
30	40
36	46
42	52
44	54

- Sub 11
- Add 10
- Add 11
- Add 9

9)

In	Out
17	27
25	35
34	44
36	46
39	49

- Sub 10
- Add 10
- Add 11
- Add 8

Answers

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