



Determine what rule the function machine is using.

1)

Input	Output
33	19
35	21
49	35
57	43
62	48

2)

Input	Output
20	26
28	34
32	38
38	44
44	50

3)

In	Out
15	20
17	22
30	35
37	42
50	55

4)

Input	Output
23	29
26	32
38	44
41	47
43	49

5)

Input	Output
20	30
24	34
31	41
33	43
48	58

6)

Input	Output
11	25
14	28
33	47
37	51
40	54

7)

In	Out
11	24
30	43
39	52
40	53
45	58

8)

In	Out
19	34
35	50
36	51
43	58
47	62

9)

In	Out
30	22
32	24
38	30
43	35
45	37

10)

Input	Output
18	29
28	39
35	46
38	49
47	58

11)

In	Out
21	13
24	16
34	26
46	38
54	46

12)

In	Out
20	15
41	36
43	38
45	40
52	47

Answers

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



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11	25
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18	29
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21	13
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In	Out
20	15
41	36
43	38
45	40
52	47

Answers

1. Sub 14

2. Add 6

3. Add 5

4. Add 6

5. Add 10

6. Add 14

7. Add 13

8. Add 15

9. Sub 8

10. Add 11

11. Sub 8

12. Sub 5



Determine what rule the function machine is using.

1)

In	Out
33	19
35	21
49	35
57	43
62	48

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

2)

In	Out
20	26
28	34
32	38
38	44
44	50

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

3)

In	Out
15	20
17	22
30	35
37	42
50	55

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

4)

In	Out
23	29
26	32
38	44
41	47
43	49

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

5)

In	Out
20	30
24	34
31	41
33	43
48	58

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

6)

In	Out
11	25
14	28
33	47
37	51
40	54

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

7)

In	Out
11	24
30	43
39	52
40	53
45	58

- Add 12
- Add 16
- Sub 16
- Add 13

8)

In	Out
19	34
35	50
36	51
43	58
47	62

- Sub 18
- Add 15
- Add 12
- Add 18

9)

In	Out
30	22
32	24
38	30
43	35
45	37

- Sub 6
- Add 9
- Add 8
- Sub 8

Answers

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