



Determine what rule the function machine is using.

1)

Input	Output
11	18
16	23
21	28
43	50
43	50

2)

In	Out
19	10
21	12
24	15
34	25
56	47

3)

Input	Output
16	12
23	19
25	21
36	32
48	44

4)

Input	Output
27	20
33	26
39	32
42	35
55	48

5)

Input	Output
30	21
42	33
46	37
47	38
50	41

6)

In	Out
20	14
21	15
41	35
44	38
52	46

7)

Input	Output
12	18
26	32
42	48
43	49
44	50

8)

In	Out
21	12
42	33
43	34
49	40
54	45

9)

In	Out
15	26
17	28
20	31
41	52
42	53

10)

In	Out
17	25
33	41
37	45
41	49
42	50

11)

In	Out
20	34
35	49
37	51
42	56
47	61

12)

Input	Output
27	12
33	18
40	25
49	34
59	44

Answers

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

Input	Output
27	12
33	18
40	25
49	34
59	44

Answers

1. Add 7

2. Sub 9

3. Sub 4

4. Sub 7

5. Sub 9

6. Sub 6

7. Add 6

8. Sub 9

9. Add 11

10. Add 8

11. Add 14

12. Sub 15



Determine what rule the function machine is using.

1)

Input	Output
11	18
16	23
21	28
43	50
43	50

- Sub 7
- Add 7
- Add 6
- Add 9

2)

In	Out
19	10
21	12
24	15
34	25
56	47

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

3)

Input	Output
16	12
23	19
25	21
36	32
48	44

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

4)

Input	Output
27	20
33	26
39	32
42	35
55	48

- Sub 6
- Sub 7
- Sub 8
- Add 7

5)

Input	Output
30	21
42	33
46	37
47	38
50	41

- Sub 7
- Sub 9
- Add 9
- Add 11

6)

In	Out
20	14
21	15
41	35
44	38
52	46

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

7)

Input	Output
12	18
26	32
42	48
43	49
44	50

- Add 6
- Sub 6
- Add 3
- Add 7

8)

In	Out
21	12
42	33
43	34
49	40
54	45

- Sub 9
- Sub 12
- Sub 7
- Add 12

9)

In	Out
15	26
17	28
20	31
41	52
42	53

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

Answers

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