



Determine what rule the function machine is using.

1)

In	Out
22	10
24	12
31	19
46	34
57	45

2)

In	Out
10	16
19	25
25	31
26	32
35	41

3)

In	Out
18	13
31	26
34	29
40	35
50	45

4)

In	Out
25	11
27	13
45	31
47	33
61	47

5)

Input	Output
16	12
17	13
20	16
26	22
40	36

6)

In	Out
18	25
20	27
23	30
36	43
40	47

7)

Input	Output
25	13
26	14
27	15
44	32
60	48

8)

Input	Output
23	14
46	37
49	40
51	42
55	46

9)

Input	Output
19	14
24	19
39	34
47	42
54	49

10)

In	Out
10	18
14	22
27	35
30	38
42	50

11)

Input	Output
23	28
27	32
36	41
40	45
42	47

12)

Input	Output
24	15
35	26
37	28
42	33
58	49

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
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9. _____
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18	25
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10	18
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Input	Output
23	28
27	32
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Input	Output
24	15
35	26
37	28
42	33
58	49

Answers

1. **Sub 12**

2. **Add 6**

3. **Sub 5**

4. **Sub 14**

5. **Sub 4**

6. **Add 7**

7. **Sub 12**

8. **Sub 9**

9. **Sub 5**

10. **Add 8**

11. **Add 5**

12. **Sub 9**



Determine what rule the function machine is using.

1)

In	Out
22	10
24	12
31	19
46	34
57	45

- Sub 13
- Sub 12
- Add 12
- Sub 11

2)

In	Out
10	16
19	25
25	31
26	32
35	41

- Add 6
- Sub 6
- Add 4
- Add 7

3)

In	Out
18	13
31	26
34	29
40	35
50	45

- Add 5
- Sub 2
- Sub 5
- Sub 7

4)

In	Out
25	11
27	13
45	31
47	33
61	47

- Add 14
- Sub 12
- Sub 14
- Add 16

5)

In	Out
16	12
17	13
20	16
26	22
40	36

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

6)

In	Out
18	25
20	27
23	30
36	43
40	47

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

7)

In	Out
25	13
26	14
27	15
44	32
60	48

- Sub 12
- Add 12
- Sub 9
- Add 15

8)

In	Out
23	14
46	37
49	40
51	42
55	46

- Sub 8
- Add 10
- Add 9
- Sub 9

9)

In	Out
19	14
24	19
39	34
47	42
54	49

- Sub 2
- Sub 5
- Add 5
- Add 8

Answers

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