



Determine what rule the function machine is using.

1)

In	Out
31	35
34	38
44	48
46	50
47	51

2)

Input	Output
21	15
24	18
35	29
40	34
54	48

3)

In	Out
17	13
27	23
29	25
34	30
40	36

4)

Input	Output
20	10
26	16
38	28
52	42
59	49

5)

In	Out
39	24
45	30
46	31
53	38
64	49

6)

Input	Output
17	30
19	32
30	43
41	54
47	60

7)

In	Out
12	17
35	40
37	42
42	47
45	50

8)

In	Out
17	30
24	37
35	48
38	51
42	55

9)

In	Out
34	24
44	34
46	36
51	41
57	47

10)

In	Out
29	14
33	18
34	19
36	21
37	22

11)

Input	Output
28	43
31	46
33	48
35	50
42	57

12)

In	Out
15	23
21	29
26	34
28	36
34	42

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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Input	Output
28	43
31	46
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12)

In	Out
15	23
21	29
26	34
28	36
34	42

Answers

1. **Add 4**

2. **Sub 6**

3. **Sub 4**

4. **Sub 10**

5. **Sub 15**

6. **Add 13**

7. **Add 5**

8. **Add 13**

9. **Sub 10**

10. **Sub 15**

11. **Add 15**

12. **Add 8**



Determine what rule the function machine is using.

1)

In	Out
31	35
34	38
44	48
46	50
47	51

- Add 3
- Sub 4
- Add 4
- Add 5

2)

In	Out
21	15
24	18
35	29
40	34
54	48

- Add 6
- Sub 3
- Sub 9
- Sub 6

3)

In	Out
17	13
27	23
29	25
34	30
40	36

- Add 7
- Add 4
- Sub 1
- Sub 4

4)

In	Out
20	10
26	16
38	28
52	42
59	49

- Sub 12
- Sub 10
- Sub 7
- Add 12

5)

In	Out
39	24
45	30
46	31
53	38
64	49

- Sub 14
- Add 18
- Sub 18
- Sub 15

6)

In	Out
17	30
19	32
30	43
41	54
47	60

- Add 13
- Sub 15
- Add 15
- Add 12

7)

In	Out
12	17
35	40
37	42
42	47
45	50

- Add 5
- Sub 8
- Add 4
- Sub 5

8)

In	Out
17	30
24	37
35	48
38	51
42	55

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

9)

In	Out
34	24
44	34
46	36
51	41
57	47

- Sub 10
- Sub 8
- Add 12
- Sub 12

Answers

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