



Determine what rule the function machine is using.

1)

In	Out
12	18
25	31
38	44
42	48
50	56

2)

In	Out
11	24
12	25
21	34
36	49
37	50

3)

In	Out
12	22
13	23
22	32
32	42
38	48

4)

Input	Output
36	22
38	24
43	29
54	40
61	47

5)

In	Out
34	48
36	50
37	51
40	54
49	63

6)

Input	Output
14	28
34	48
41	55
42	56
49	63

7)

Input	Output
12	26
30	44
36	50
41	55
45	59

8)

Input	Output
30	21
33	24
34	25
43	34
50	41

9)

Input	Output
11	26
29	44
31	46
41	56
50	65

10)

Input	Output
29	24
30	25
31	26
35	30
41	36

11)

Input	Output
21	12
25	16
36	27
45	36
46	37

12)

Input	Output
24	12
31	19
36	24
38	26
57	45

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



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In	Out
12	22
13	23
22	32
32	42
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4)

Input	Output
36	22
38	24
43	29
54	40
61	47

5)

In	Out
34	48
36	50
37	51
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6)

Input	Output
14	28
34	48
41	55
42	56
49	63

7)

Input	Output
12	26
30	44
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11	26
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Input	Output
29	24
30	25
31	26
35	30
41	36

11)

Input	Output
21	12
25	16
36	27
45	36
46	37

12)

Input	Output
24	12
31	19
36	24
38	26
57	45

Answers

1. Add 6

2. Add 13

3. Add 10

4. Sub 14

5. Add 14

6. Add 14

7. Add 14

8. Sub 9

9. Add 15

10. Sub 5

11. Sub 9

12. Sub 12



Determine what rule the function machine is using.

1)

In	Out
12	18
25	31
38	44
42	48
50	56

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

2)

In	Out
11	24
12	25
21	34
36	49
37	50

- Sub 13
- Add 13
- Add 11
- Add 16

3)

In	Out
12	22
13	23
22	32
32	42
38	48

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

4)

In	Out
36	22
38	24
43	29
54	40
61	47

- Sub 13
- Add 14
- Sub 14
- Sub 17

5)

In	Out
34	48
36	50
37	51
40	54
49	63

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

6)

In	Out
14	28
34	48
41	55
42	56
49	63

- Add 11
- Add 14
- Sub 14
- Sub 15

7)

In	Out
12	26
30	44
36	50
41	55
45	59

- Add 17
- Add 11
- Add 14
- Sub 14

8)

In	Out
30	21
33	24
34	25
43	34
50	41

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

9)

In	Out
11	26
29	44
31	46
41	56
50	65

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

Answers

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