



Determine what rule the function machine is using.

1)

Input	Output
28	20
32	24
40	32
52	44
53	45

2)

Input	Output
12	20
19	27
21	29
35	43
45	53

3)

In	Out
10	16
15	21
26	32
33	39
46	52

4)

In	Out
25	15
26	16
36	26
39	29
51	41

5)

In	Out
42	31
49	38
53	42
55	44
60	49

6)

Input	Output
27	31
37	41
38	42
41	45
45	49

7)

In	Out
15	22
18	25
27	34
33	40
50	57

8)

Input	Output
25	11
41	27
49	35
60	46
61	47

9)

Input	Output
26	15
27	16
39	28
56	45
58	47

10)

In	Out
30	15
38	23
42	27
47	32
50	35

11)

In	Out
14	27
20	33
27	40
41	54
50	63

12)

Input	Output
10	15
13	18
14	19
21	26
24	29

Answers

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



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In	Out
42	31
49	38
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55	44
60	49

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Input	Output
27	31
37	41
38	42
41	45
45	49

7)

In	Out
15	22
18	25
27	34
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Input	Output
25	11
41	27
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26	15
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30	15
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50	63

12)

Input	Output
10	15
13	18
14	19
21	26
24	29

Answers

1. Sub 8

2. Add 8

3. Add 6

4. Sub 10

5. Sub 11

6. Add 4

7. Add 7

8. Sub 14

9. Sub 11

10. Sub 15

11. Add 13

12. Add 5



Determine what rule the function machine is using.

1)

In	Out
28	20
32	24
40	32
52	44
53	45

- Sub 7
- Sub 8
- Add 9
- Add 8

2)

In	Out
12	20
19	27
21	29
35	43
45	53

- Sub 11
- Add 8
- Add 7
- Add 11

3)

In	Out
10	16
15	21
26	32
33	39
46	52

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

4)

In	Out
25	15
26	16
36	26
39	29
51	41

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

5)

In	Out
42	31
49	38
53	42
55	44
60	49

- Sub 11
- Add 13
- Sub 13
- Sub 9

6)

In	Out
27	31
37	41
38	42
41	45
45	49

- Sub 4
- Add 1
- Add 4
- Add 5

7)

In	Out
15	22
18	25
27	34
33	40
50	57

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

8)

In	Out
25	11
41	27
49	35
60	46
61	47

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

9)

In	Out
26	15
27	16
39	28
56	45
58	47

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

Answers

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