



Determine what rule the function machine is using.

1)

Input	Output
19	13
22	16
35	29
35	29
55	49

2)

In	Out
17	24
25	32
27	34
36	43
36	43

3)

In	Out
16	12
22	18
26	22
34	30
37	33

4)

Input	Output
12	25
21	34
26	39
32	45
44	57

5)

In	Out
15	28
20	33
46	59
48	61
49	62

6)

In	Out
27	14
43	30
46	33
58	45
59	46

7)

In	Out
17	12
27	22
31	26
34	29
54	49

8)

Input	Output
17	12
31	26
36	31
39	34
43	38

9)

In	Out
21	13
22	14
26	18
35	27
47	39

10)

Input	Output
11	25
13	27
24	38
25	39
27	41

11)

Input	Output
39	24
43	28
50	35
63	48
64	49

12)

Input	Output
25	10
39	24
49	34
56	41
61	46

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_
11. \_\_\_\_\_
12. \_\_\_\_\_



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Input	Output
11	25
13	27
24	38
25	39
27	41

11)

Input	Output
39	24
43	28
50	35
63	48
64	49

12)

Input	Output
25	10
39	24
49	34
56	41
61	46

Answers

1. Sub 6

2. Add 7

3. Sub 4

4. Add 13

5. Add 13

6. Sub 13

7. Sub 5

8. Sub 5

9. Sub 8

10. Add 14

11. Sub 15

12. Sub 15



Determine what rule the function machine is using.

1)

Input	Output
19	13
22	16
35	29
35	29
55	49

- Sub 8
- Add 8
- Sub 6
- Sub 3

2)

In	Out
17	24
25	32
27	34
36	43
36	43

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

3)

In	Out
16	12
22	18
26	22
34	30
37	33

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

4)

Input	Output
12	25
21	34
26	39
32	45
44	57

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

5)

In	Out
15	28
20	33
46	59
48	61
49	62

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

6)

In	Out
27	14
43	30
46	33
58	45
59	46

- Sub 10
- Sub 13
- Add 13
- Add 16

7)

In	Out
17	12
27	22
31	26
34	29
54	49

- Sub 4
- Add 5
- Sub 5
- Add 6

8)

Input	Output
17	12
31	26
36	31
39	34
43	38

- Add 5
- Sub 5
- Sub 7
- Sub 3

9)

In	Out
21	13
22	14
26	18
35	27
47	39

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

Answers

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_