



Determine what rule the function machine is using.

1)

Input	Output
17	11
20	14
31	25
35	29
39	33

2)

In	Out
18	13
39	34
40	35
46	41
48	43

3)

Input	Output
14	10
24	20
25	21
34	30
44	40

4)

In	Out
20	11
34	25
36	27
37	28
52	43

5)

In	Out
24	10
30	16
33	19
36	22
63	49

6)

In	Out
11	23
22	34
32	44
36	48
43	55

7)

Input	Output
15	21
17	23
18	24
37	43
46	52

8)

In	Out
16	25
24	33
32	41
45	54
47	56

9)

In	Out
27	13
29	15
46	32
60	46
64	50

10)

Input	Output
24	13
32	21
35	24
37	26
56	45

11)

In	Out
19	10
30	21
45	36
49	40
50	41

12)

In	Out
13	25
19	31
23	35
25	37
45	57

Answers

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



Determine what rule the function machine is using.

1)

Input	Output
17	11
20	14
31	25
35	29
39	33

2)

In	Out
18	13
39	34
40	35
46	41
48	43

3)

Input	Output
14	10
24	20
25	21
34	30
44	40

4)

In	Out
20	11
34	25
36	27
37	28
52	43

5)

In	Out
24	10
30	16
33	19
36	22
63	49

6)

In	Out
11	23
22	34
32	44
36	48
43	55

7)

Input	Output
15	21
17	23
18	24
37	43
46	52

8)

In	Out
16	25
24	33
32	41
45	54
47	56

9)

In	Out
27	13
29	15
46	32
60	46
64	50

10)

Input	Output
24	13
32	21
35	24
37	26
56	45

11)

In	Out
19	10
30	21
45	36
49	40
50	41

12)

In	Out
13	25
19	31
23	35
25	37
45	57

Answers

1. Sub 6

2. Sub 5

3. Sub 4

4. Sub 9

5. Sub 14

6. Add 12

7. Add 6

8. Add 9

9. Sub 14

10. Sub 11

11. Sub 9

12. Add 12



Determine what rule the function machine is using.

1)

In	Out
17	11
20	14
31	25
35	29
39	33

- Add 9
- Sub 9
- Sub 5
- Sub 6

2)

In	Out
18	13
39	34
40	35
46	41
48	43

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

3)

In	Out
14	10
24	20
25	21
34	30
44	40

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

4)

In	Out
20	11
34	25
36	27
37	28
52	43

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

5)

In	Out
24	10
30	16
33	19
36	22
63	49

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

6)

In	Out
11	23
22	34
32	44
36	48
43	55

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

7)

In	Out
15	21
17	23
18	24
37	43
46	52

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

8)

In	Out
16	25
24	33
32	41
45	54
47	56

- Add 7
- Sub 11
- Add 9
- Add 11

9)

In	Out
27	13
29	15
46	32
60	46
64	50

- Add 14
- Sub 13
- Sub 14
- Add 16

Answers

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