



Determine what rule the function machine is using.

1)

Input (a)	Output (k)
34	40
23	29
42	48
24	30
32	38

2)

Input (v)	Output (n)
40	55
48	63
18	33
43	58
41	56

3)

Input (j)	Output (a)
43	34
37	28
55	46
54	45
29	20

4)

Input (c)	Output (z)
35	20
47	32
65	50
63	48
29	14

5)

Input (f)	Output (r)
35	45
42	52
40	50
26	36
19	29

6)

Input (t)	Output (h)
61	50
45	34
35	24
38	27
33	22

7)

In (u)	37	27	36	14
Out (w)	50	40	49	27

8)

In (j)	39	40	24	45
Out (u)	28	29	13	34

9)

In (y)	20	24	37	26
Out (t)	28	32	45	34

10)

In (r)	38	46	28	39
Out (y)	33	41	23	34

11)

In (z)	17	15	55	35
Out (w)	12	10	50	30

12)

In (y)	30	46	12	26
Out (z)	41	57	23	37

Answers

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



Determine what rule the function machine is using.

1)

Input (a)	Output (k)
34	40
23	29
42	48
24	30
32	38

Add 6

2)

Input (v)	Output (n)
40	55
48	63
18	33
43	58
41	56

Add 15

3)

Input (j)	Output (a)
43	34
37	28
55	46
54	45
29	20

Subtract 9

4)

Input (c)	Output (z)
35	20
47	32
65	50
63	48
29	14

Subtract 15

5)

Input (f)	Output (r)
35	45
42	52
40	50
26	36
19	29

Add 10

6)

Input (t)	Output (h)
61	50
45	34
35	24
38	27
33	22

Subtract 11

7)

In (u)	37	27	36	14
Out (w)	50	40	49	27

Add 13

8)

In (j)	39	40	24	45
Out (u)	28	29	13	34

Subtract 11

9)

In (y)	20	24	37	26
Out (t)	28	32	45	34

Add 8

10)

In (r)	38	46	28	39
Out (y)	33	41	23	34

Subtract 5

11)

In (z)	17	15	55	35
Out (w)	12	10	50	30

Subtract 5

12)

In (y)	30	46	12	26
Out (z)	41	57	23	37

Add 11

Answers

1. Add 6

2. Add 15

3. Subtract 9

4. Subtract 15

5. Add 10

6. Subtract 11

7. Add 13

8. Subtract 11

9. Add 8

10. Subtract 5

11. Subtract 5

12. Add 11



Determine what rule the function machine is using.

Subtract 15	Add 8	Subtract 11	Add 13
Add 15	Add 6	Subtract 11	Add 10
Subtract 9			

Answers

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

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Input (a)	Output (k)
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5)

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Out (t)	28	32	45	34