



Determine what rule the function machine is using.

1)

Input (t)	Output (i)
51	37
61	47
43	29
50	36
55	41

2)

Input (h)	Output (z)
57	48
36	27
23	14
49	40
35	26

3)

Input (g)	Output (z)
28	39
39	50
38	49
14	25
29	40

4)

Input (p)	Output (g)
31	38
46	53
32	39
13	20
23	30

5)

Input (d)	Output (g)
35	43
43	51
19	27
36	44
28	36

6)

Input (k)	Output (a)
12	21
22	31
49	58
45	54
28	37

7)

In (a)	41	44	28	62
Out (u)	29	32	16	50

8)

In (j)	36	27	13	22
Out (w)	51	42	28	37

9)

In (i)	48	39	58	47
Out (t)	35	26	45	34

10)

In (e)	19	31	50	44
Out (c)	30	42	61	55

11)

In (y)	48	57	62	50
Out (p)	33	42	47	35

12)

In (w)	51	28	55	57
Out (i)	40	17	44	46

Answers

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



Determine what rule the function machine is using.

1)

Input (t)	Output (i)
51	37
61	47
43	29
50	36
55	41

Subtract 14

2)

Input (h)	Output (z)
57	48
36	27
23	14
49	40
35	26

Subtract 9

3)

Input (g)	Output (z)
28	39
39	50
38	49
14	25
29	40

Add 11

4)

Input (p)	Output (g)
31	38
46	53
32	39
13	20
23	30

Add 7

5)

Input (d)	Output (g)
35	43
43	51
19	27
36	44
28	36

Add 8

6)

Input (k)	Output (a)
12	21
22	31
49	58
45	54
28	37

Add 9

7)

In (a)	41	44	28	62
Out (u)	29	32	16	50

Subtract 12

8)

In (j)	36	27	13	22
Out (w)	51	42	28	37

Add 15

9)

In (i)	48	39	58	47
Out (t)	35	26	45	34

Subtract 13

10)

In (e)	19	31	50	44
Out (c)	30	42	61	55

Add 11

11)

In (y)	48	57	62	50
Out (p)	33	42	47	35

Subtract 15

12)

In (w)	51	28	55	57
Out (i)	40	17	44	46

Subtract 11

Answers

1. **Subtract 14**

2. **Subtract 9**

3. **Add 11**

4. **Add 7**

5. **Add 8**

6. **Add 9**

7. **Subtract 12**

8. **Add 15**

9. **Subtract 13**

10. **Add 11**

11. **Subtract 15**

12. **Subtract 11**



Determine what rule the function machine is using.

Add 7	Subtract 9	Add 8	Add 9
Add 15	Add 11	Subtract 13	Subtract 12
Subtract 14			

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35	43
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7)

In (a)	41	44	28	62
Out (u)	29	32	16	50

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In (j)	36	27	13	22
Out (w)	51	42	28	37

9)

In (i)	48	39	58	47
Out (t)	35	26	45	34

Answers

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