



Determine what rule the function machine is using.

1)

Input (y)	Output (f)
20	11
35	26
47	38
57	48
52	43

2)

Input (u)	Output (n)
22	10
35	23
38	26
29	17
59	47

3)

Input (r)	Output (p)
31	41
21	31
26	36
32	42
11	21

4)

Input (f)	Output (w)
15	28
17	30
27	40
29	42
38	51

5)

Input (f)	Output (m)
16	25
22	31
36	45
40	49
42	51

6)

Input (h)	Output (i)
33	39
18	24
32	38
48	54
36	42

7)

In (e)	33	16	39	10
Out (t)	40	23	46	17

8)

In (e)	20	34	28	19
Out (v)	29	43	37	28

9)

In (v)	54	48	41	40
Out (b)	40	34	27	26

10)

In (b)	37	32	33	25
Out (i)	31	26	27	19

11)

In (b)	42	34	29	48
Out (y)	34	26	21	40

12)

In (z)	51	37	40	23
Out (m)	39	25	28	11

Answers

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



Determine what rule the function machine is using.

1)

Input (y)	Output (f)
20	11
35	26
47	38
57	48
52	43

Subtract 9

2)

Input (u)	Output (n)
22	10
35	23
38	26
29	17
59	47

Subtract 12

3)

Input (r)	Output (p)
31	41
21	31
26	36
32	42
11	21

Add 10

4)

Input (f)	Output (w)
15	28
17	30
27	40
29	42
38	51

Add 13

5)

Input (f)	Output (m)
16	25
22	31
36	45
40	49
42	51

Add 9

6)

Input (h)	Output (i)
33	39
18	24
32	38
48	54
36	42

Add 6

7)

In (e)	33	16	39	10
Out (t)	40	23	46	17

Add 7

8)

In (e)	20	34	28	19
Out (v)	29	43	37	28

Add 9

9)

In (v)	54	48	41	40
Out (b)	40	34	27	26

Subtract 14

10)

In (b)	37	32	33	25
Out (i)	31	26	27	19

Subtract 6

11)

In (b)	42	34	29	48
Out (y)	34	26	21	40

Subtract 8

12)

In (z)	51	37	40	23
Out (m)	39	25	28	11

Subtract 12

Answers

1. Subtract 9

2. Subtract 12

3. Add 10

4. Add 13

5. Add 9

6. Add 6

7. Add 7

8. Add 9

9. Subtract 14

10. Subtract 6

11. Subtract 8

12. Subtract 12



Determine what rule the function machine is using.

- |            |        |             |        |
|------------|--------|-------------|--------|
| Add 7      | Add 6  | Subtract 12 | Add 10 |
| Subtract 9 | Add 13 | Subtract 14 | Add 9  |
| Add 9      |        |             |        |

Answers

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

1)

Input (y)	Output (f)
20	11
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2)

Input (u)	Output (n)
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38	26
29	17
59	47

3)

Input (r)	Output (p)
31	41
21	31
26	36
32	42
11	21

4)

Input (f)	Output (w)
15	28
17	30
27	40
29	42
38	51

5)

Input (f)	Output (m)
16	25
22	31
36	45
40	49
42	51

6)

Input (h)	Output (i)
33	39
18	24
32	38
48	54
36	42

7)

In (e)	33	16	39	10
Out (t)	40	23	46	17

8)

In (e)	20	34	28	19
Out (v)	29	43	37	28

9)

In (v)	54	48	41	40
Out (b)	40	34	27	26