



Determine what rule the function machine is using.

1)

Input (b)	Output (d)
17	12
52	47
53	48
37	32
36	31

2)

Input (i)	Output (m)
29	23
53	47
35	29
17	11
23	17

3)

Input (i)	Output (m)
24	33
14	23
38	47
17	26
29	38

4)

Input (j)	Output (y)
42	30
41	29
53	41
33	21
43	31

5)

Input (z)	Output (y)
28	36
27	35
41	49
24	32
32	40

6)

Input (j)	Output (b)
26	11
50	35
41	26
54	39
56	41

7)

In (d)	26	50	30	24
Out (b)	37	61	41	35

8)

In (a)	30	43	19	12
Out (u)	40	53	29	22

9)

In (c)	38	34	42	32
Out (z)	30	26	34	24

10)

In (t)	34	37	15	10
Out (n)	44	47	25	20

11)

In (p)	37	43	50	45
Out (i)	52	58	65	60

12)

In (d)	38	36	29	60
Out (n)	24	22	15	46

Answers

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



Determine what rule the function machine is using.

1)

Input (b)	Output (d)
17	12
52	47
53	48
37	32
36	31

Subtract 5

2)

Input (i)	Output (m)
29	23
53	47
35	29
17	11
23	17

Subtract 6

3)

Input (i)	Output (m)
24	33
14	23
38	47
17	26
29	38

Add 9

4)

Input (j)	Output (y)
42	30
41	29
53	41
33	21
43	31

Subtract 12

5)

Input (z)	Output (y)
28	36
27	35
41	49
24	32
32	40

Add 8

6)

Input (j)	Output (b)
26	11
50	35
41	26
54	39
56	41

Subtract 15

7)

In (d)	26	50	30	24
Out (b)	37	61	41	35

Add 11

8)

In (a)	30	43	19	12
Out (u)	40	53	29	22

Add 10

9)

In (c)	38	34	42	32
Out (z)	30	26	34	24

Subtract 8

10)

In (t)	34	37	15	10
Out (n)	44	47	25	20

Add 10

11)

In (p)	37	43	50	45
Out (i)	52	58	65	60

Add 15

12)

In (d)	38	36	29	60
Out (n)	24	22	15	46

Subtract 14

Answers

1. **Subtract 5**
2. **Subtract 6**
3. **Add 9**
4. **Subtract 12**
5. **Add 8**
6. **Subtract 15**
7. **Add 11**
8. **Add 10**
9. **Subtract 8**
10. **Add 10**
11. **Add 15**
12. **Subtract 14**

**Determine what rule the function machine is using.****Answers**

Subtract 15

Add 10

Add 8

Subtract 12

Subtract 8

Add 9

Subtract 6

Subtract 5

Add 11

1)

Input (b)	Output (d)
17	12
52	47
53	48
37	32
36	31

2)

Input (i)	Output (m)
29	23
53	47
35	29
17	11
23	17

3)

Input (i)	Output (m)
24	33
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38	47
17	26
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4)

Input (j)	Output (y)
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5)

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28	36
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6)

Input (j)	Output (b)
26	11
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7)

In (d)	26	50	30	24
Out (b)	37	61	41	35

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In (c)	38	34	42	32
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1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____