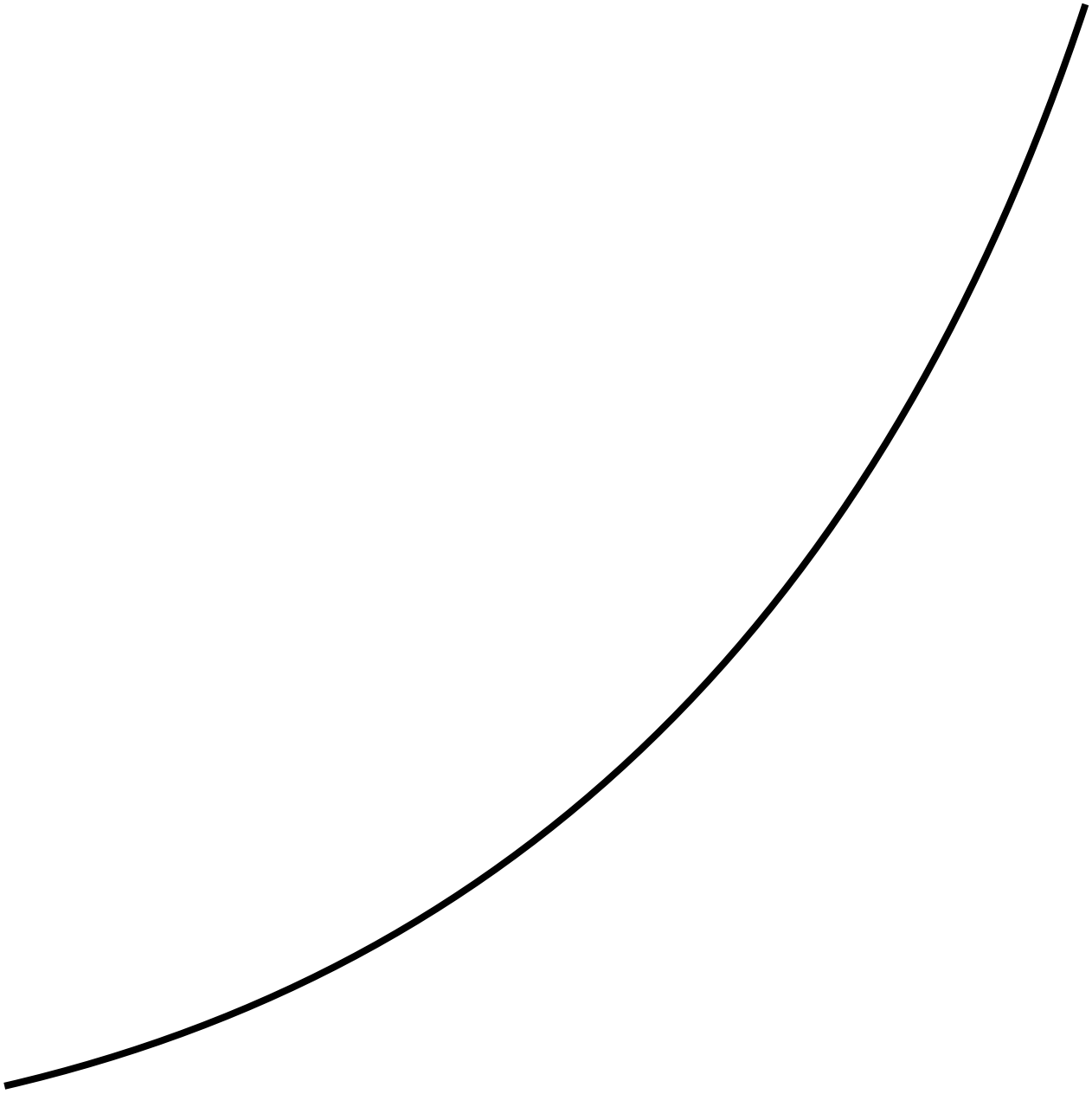
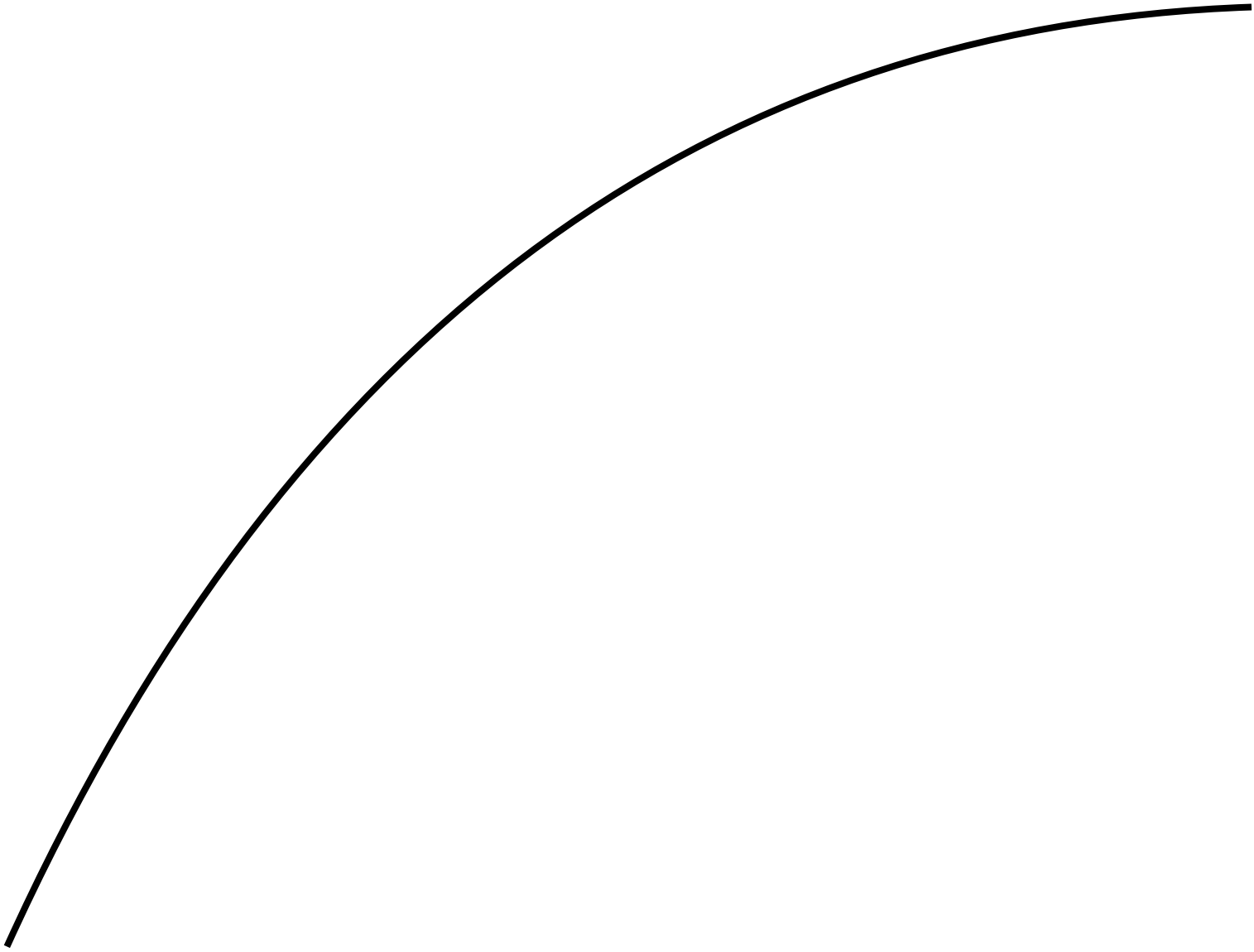
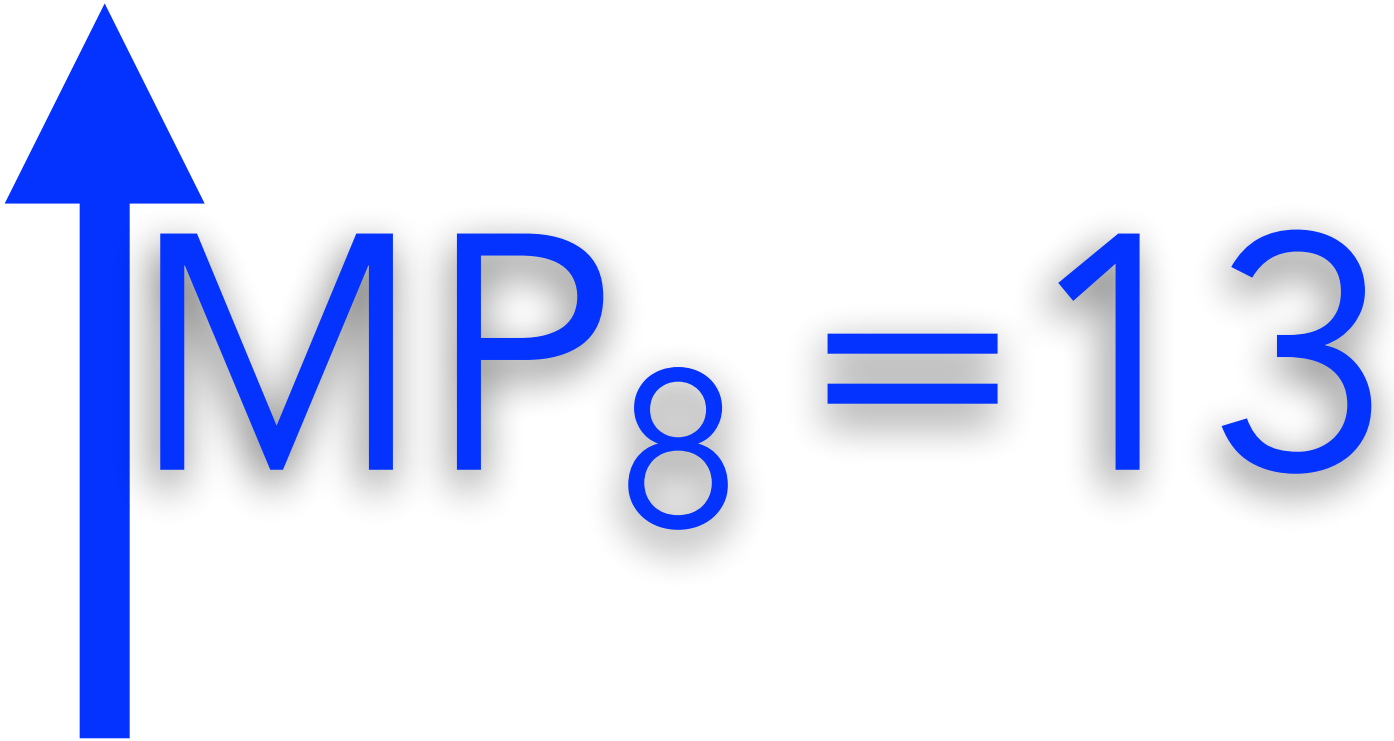
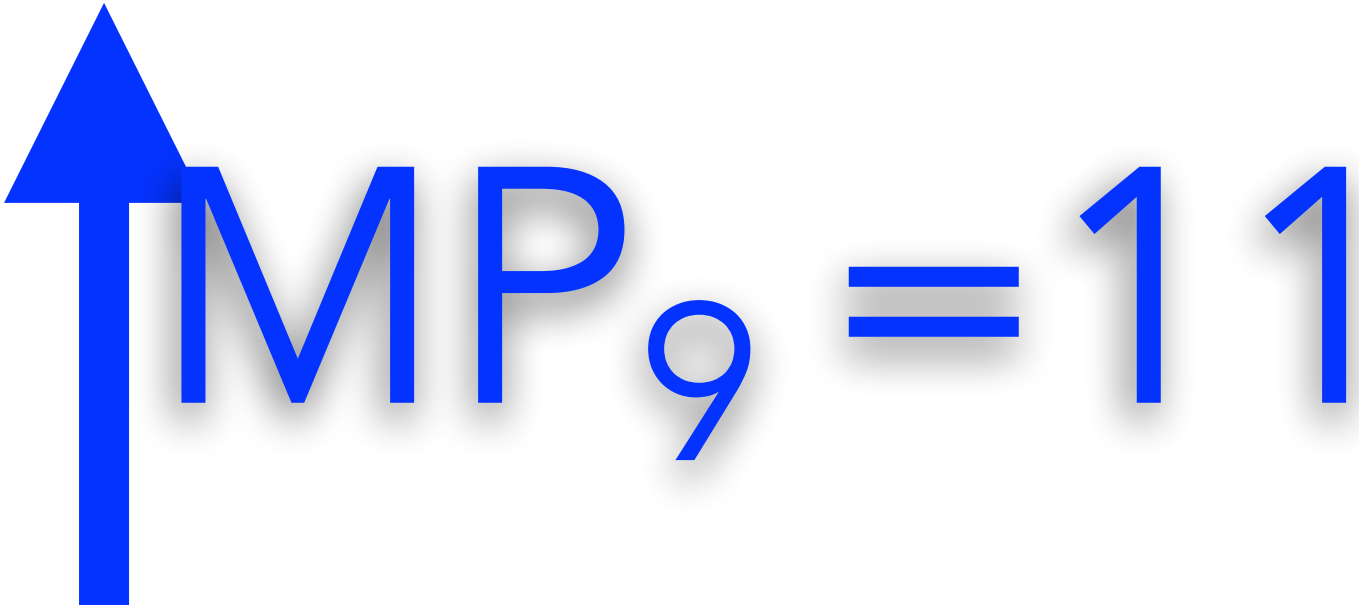





12


MP8 =13


MP9 =11

- $MP_{12} = 2$

1

2

3

4

5

6

7

8

9

10

11

12

0

5

12

21

33

63

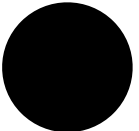
78

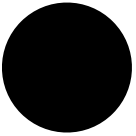
When worker 7 is hired, Total Product increase by 15 units: MP=15

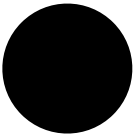
When worker 8 is hired, Total Product increase by 13 units: MP= 13

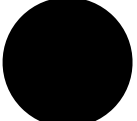
Marginal Product for worker 9: MP= 11

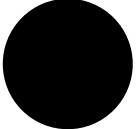
Marginal Product Decrease: 15,13,11,8,5,2

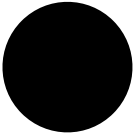


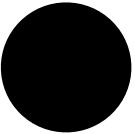












Total Product Increase

78

91

102

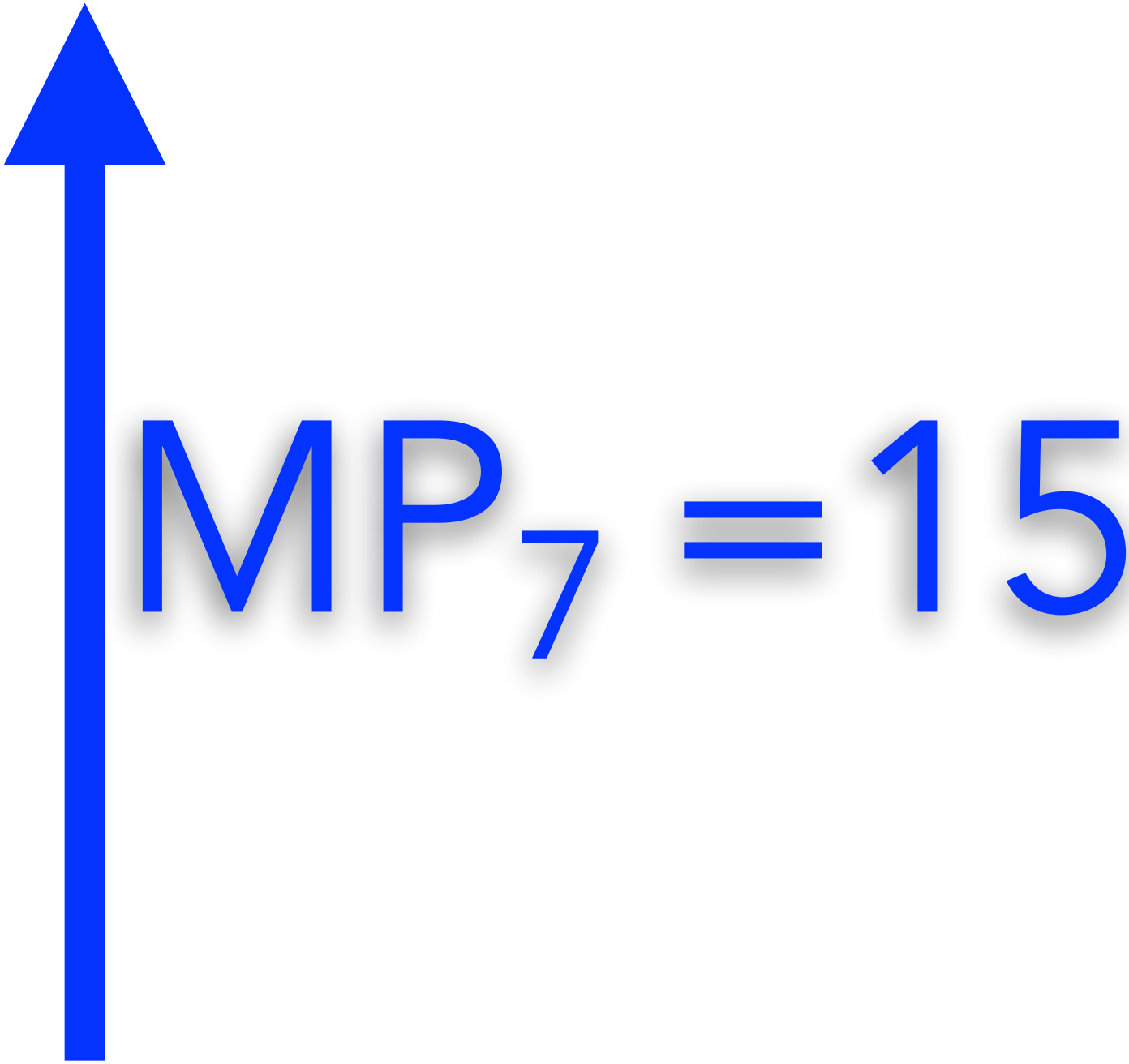
110

115

117

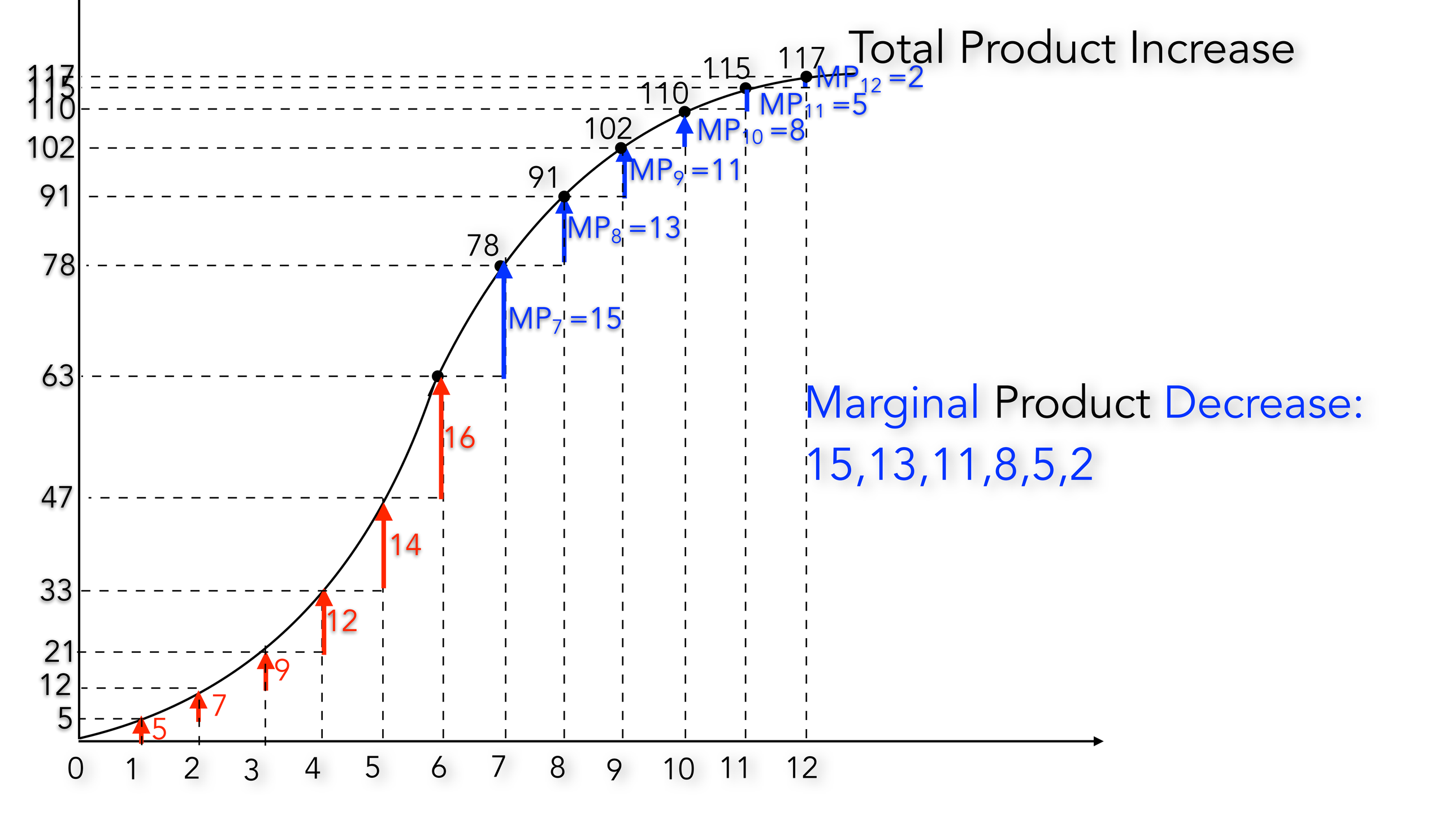

14


16


$MP_7 = 15$


MP10 =8

$MP_{11} = 5$


Total Product Increase
117
115
110
102
91
78
63
47
33
21
12
5
0 1 2 3 4 5 6 7 8 9 10 11 12
MP12 =2
MP11 =5
MP10 =8
MP9 =11
MP8 =13
MP7 =15
5
7
9
12
14
16
Marginal Product Decrease:
15,13,11,8,5,2

What happens if we continue to add workers to a plant of fixed size?