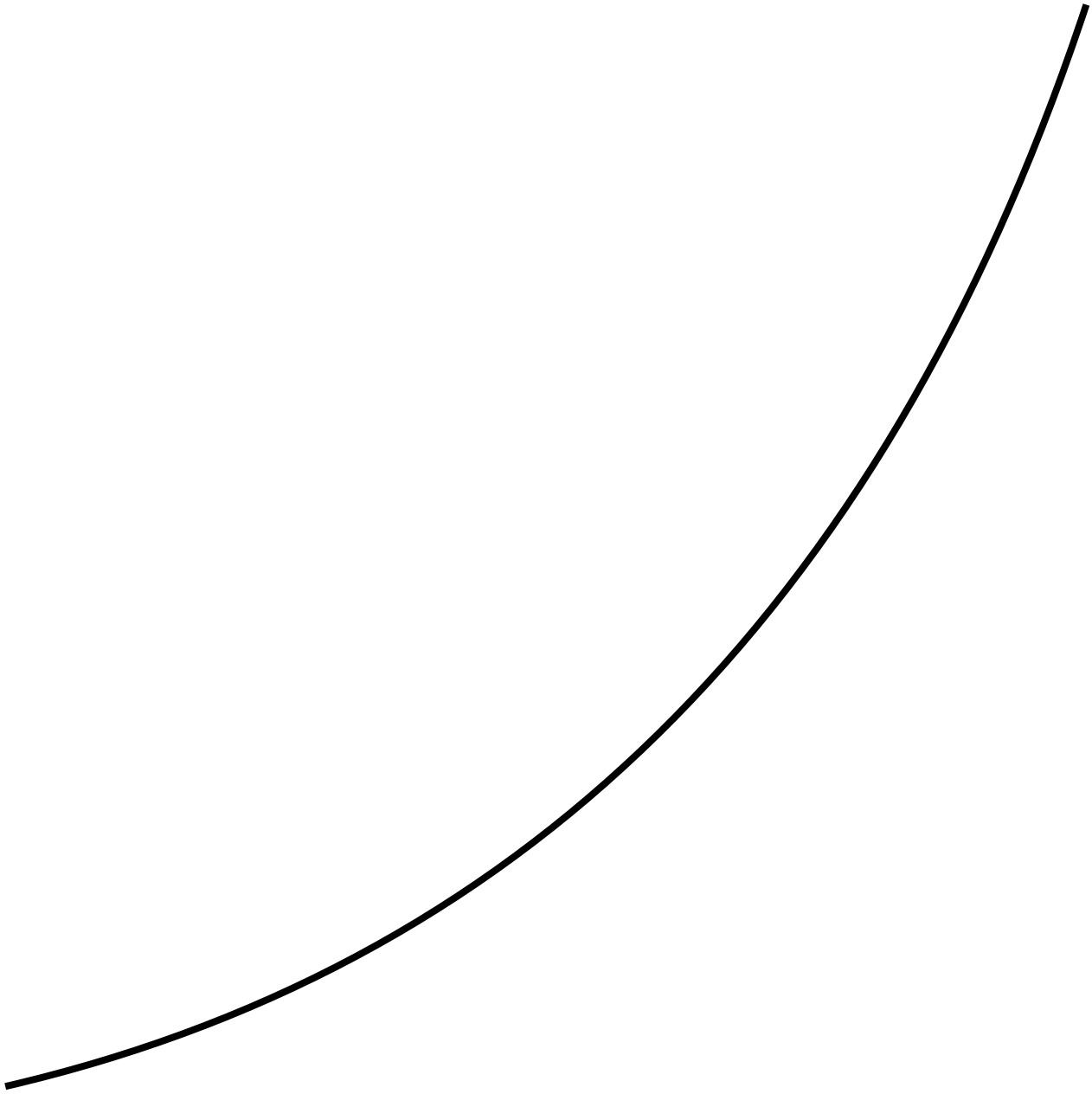

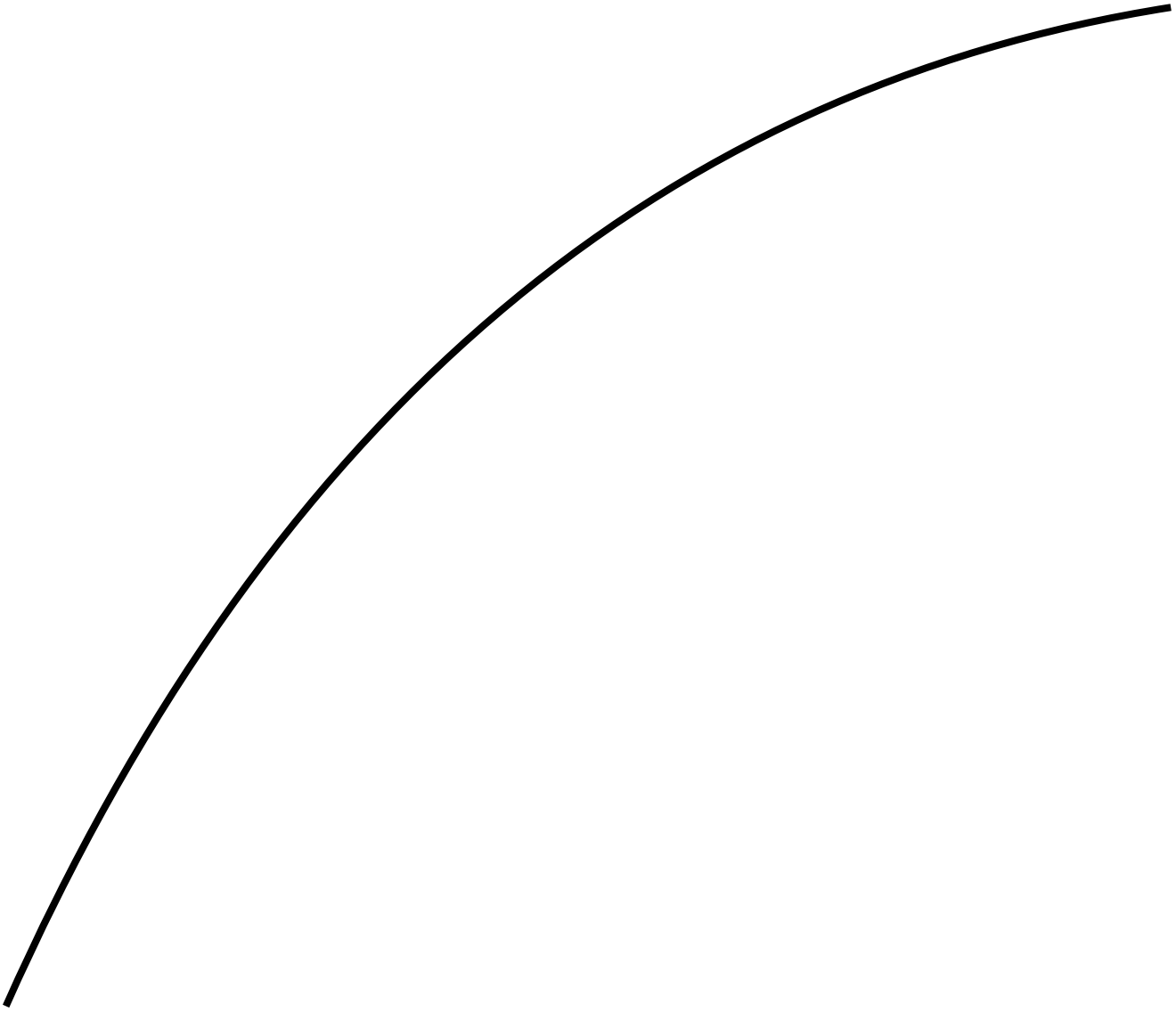

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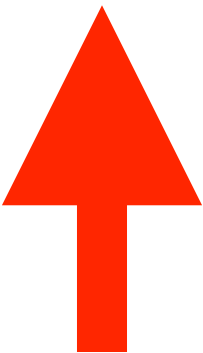

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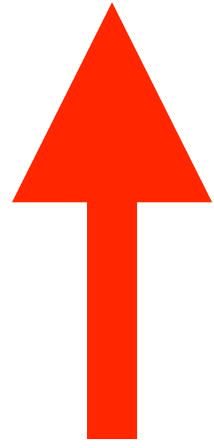

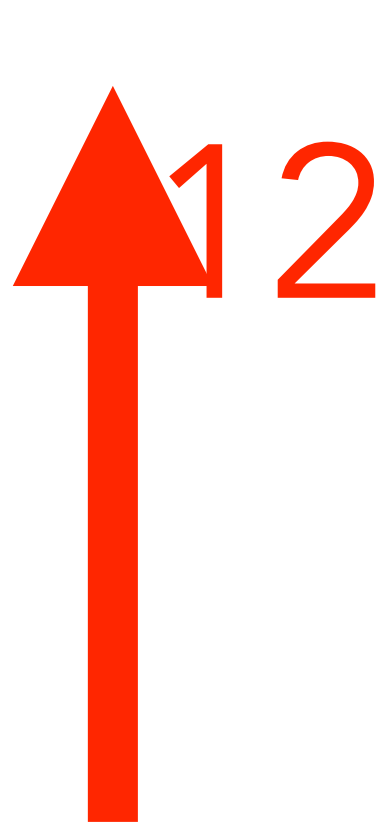
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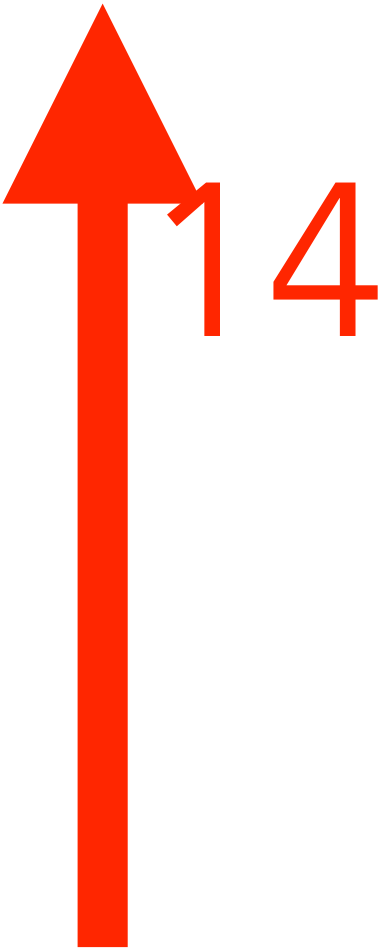
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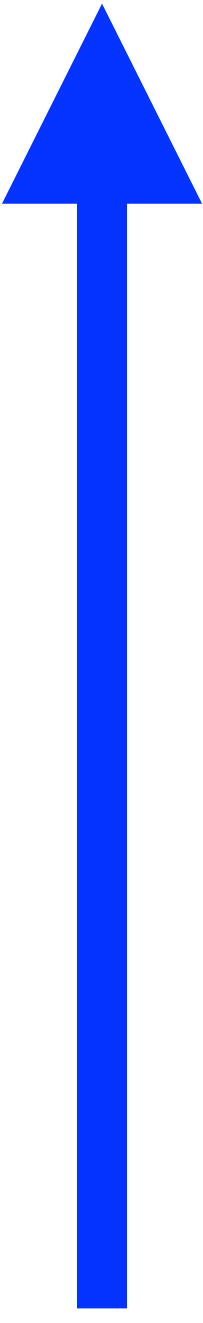
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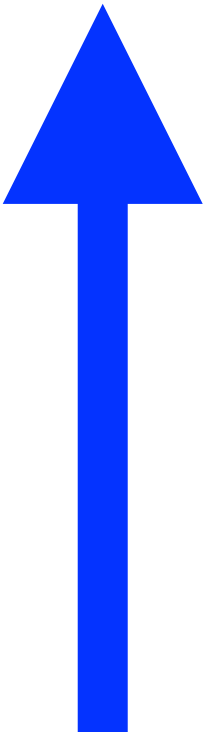
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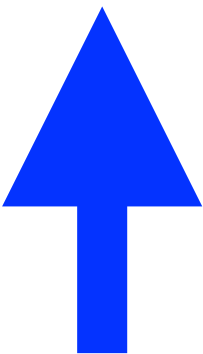

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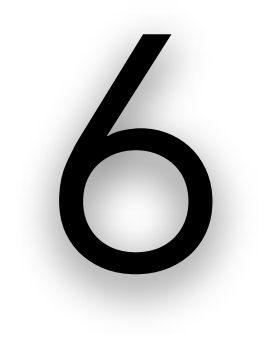

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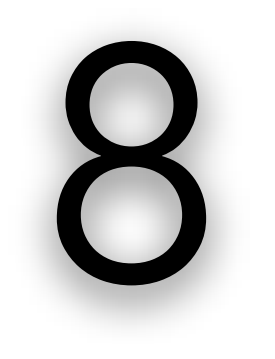

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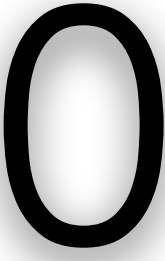


5 - - - - - - -

12

21

33 - - - - - - - - - - - - - - - - - -

63

Total Product **Decrease**

MP13=-2

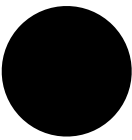
MP14=- 5

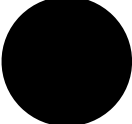
MP15 = - 8

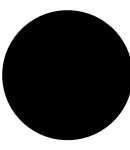
MP16= -11

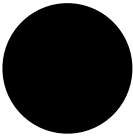
$$MP_{17} = -13$$

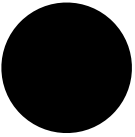
17











When worker 13 is hired, total product **drops** by 2 units:

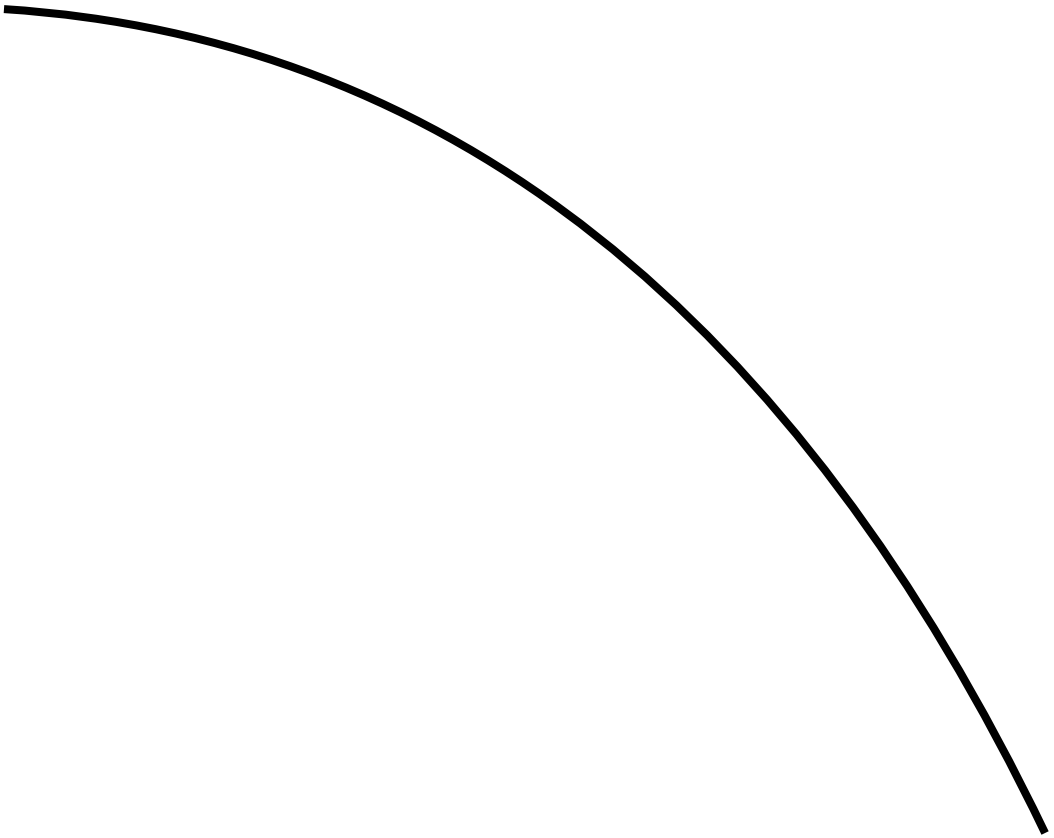
$MP_{13} = -2$

When worker 14 is hired, total product **drops** by 5 units:

$MP_{14} = -5$

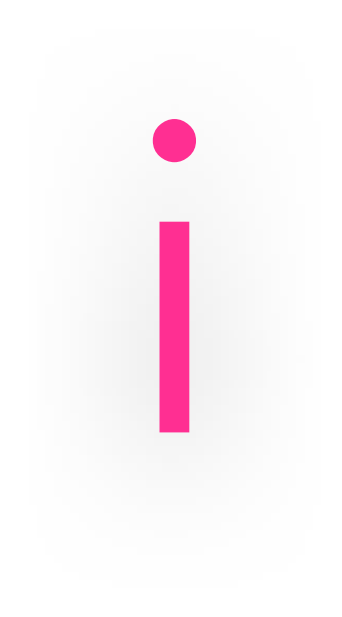
When worker 15 is hired, total product **drops** by 8 units:

$MP_{15} = -8$



M

r



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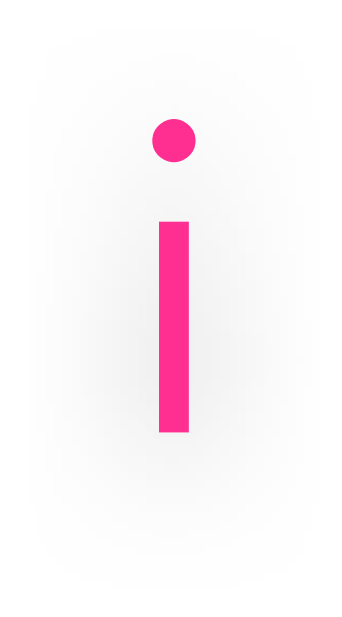

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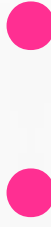
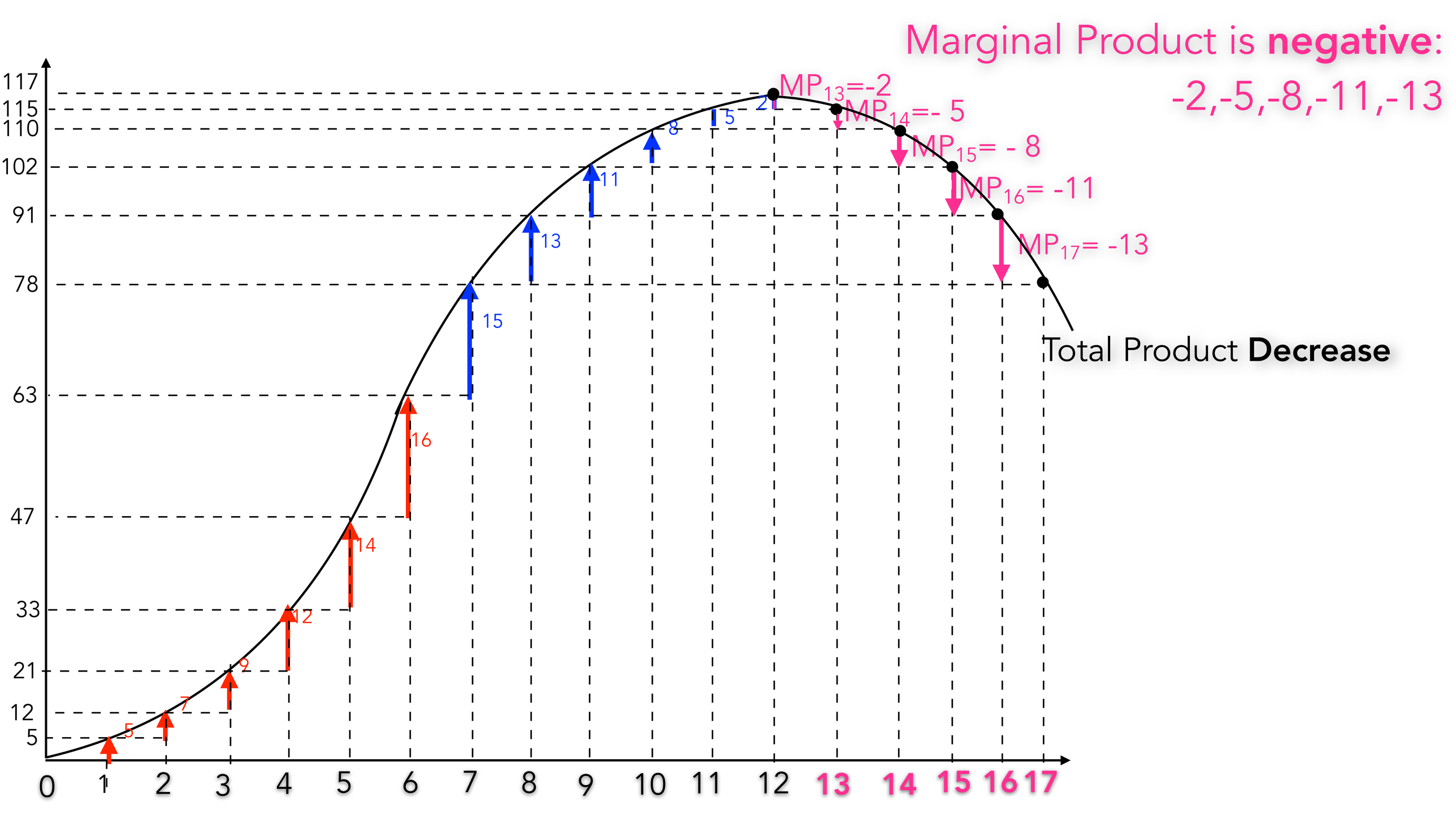


3

Marginal Product is **negative**:

-2,-5,-8,-11,-13


Marginal Product is **negative**:
-2,-5,-8,-11,-13
MP13=-2
MP14=- 5
MP15= - 8
MP16= -11
MP17= -13
Total Product **Decrease**
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 13 14 15 16 17
5
7
9
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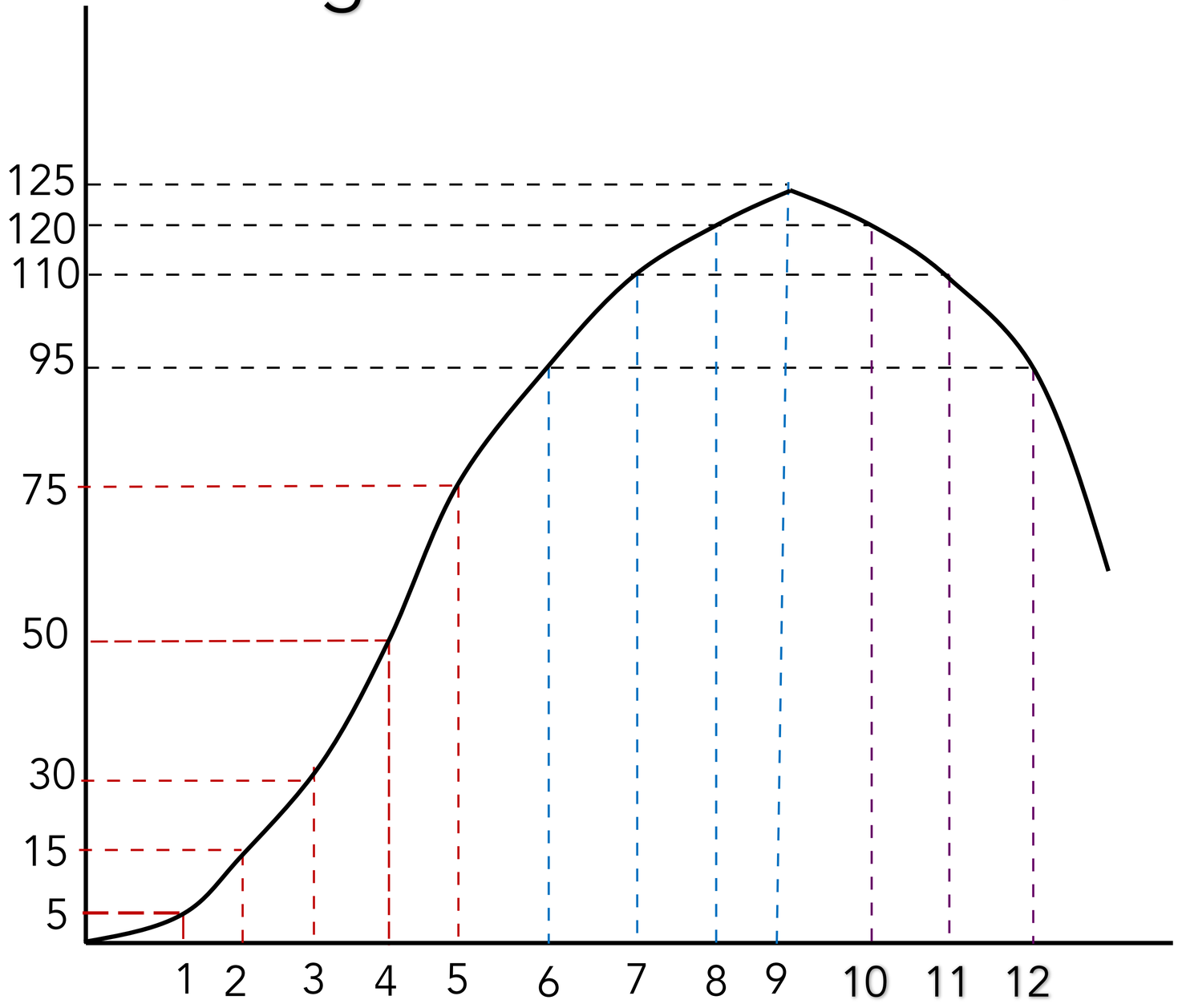
11
8
5
2

Adding workers to a Fixed Size Plant