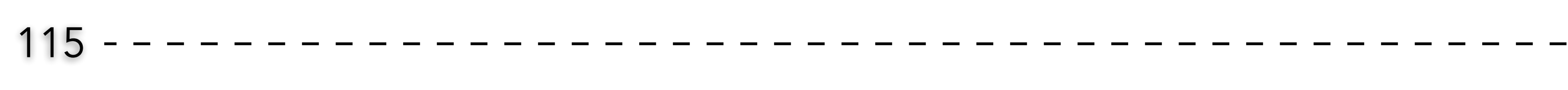


110



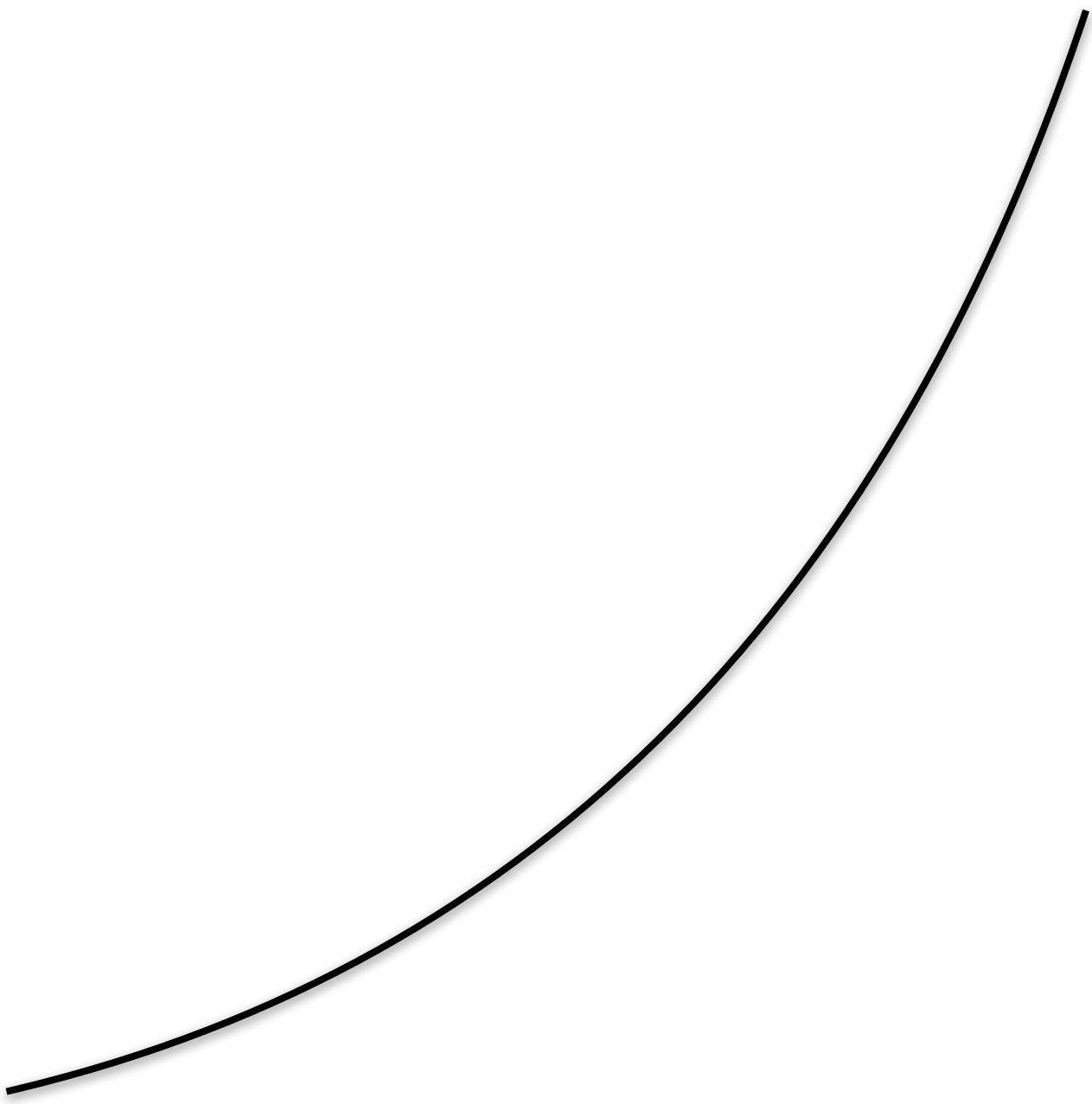




















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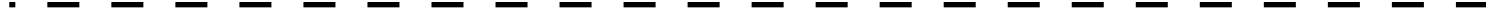
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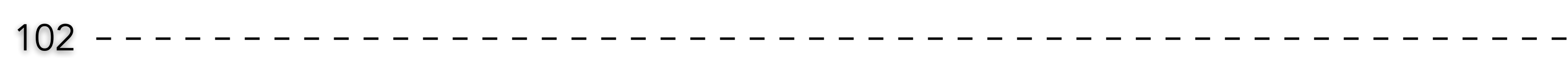
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47

63









117



























Total Product Decrease





1

7











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

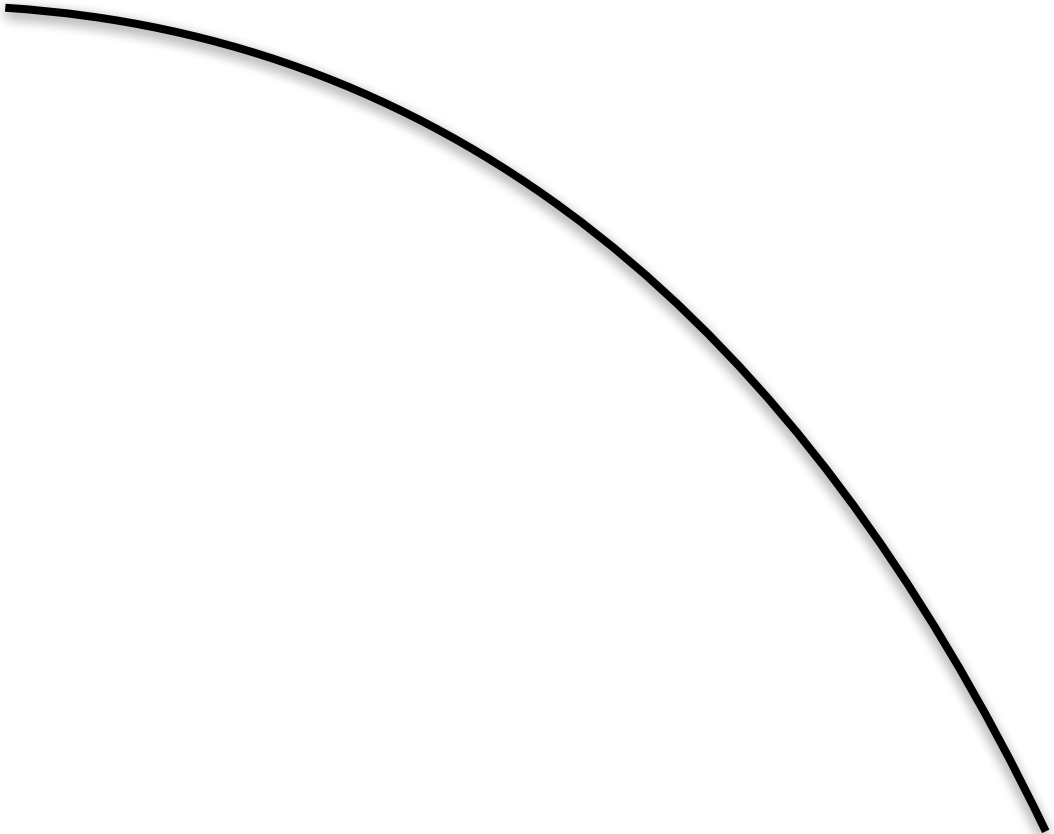
$$MP_{13} = -2$$

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:

$$MP_{15} = -8$$



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14



16



15



13



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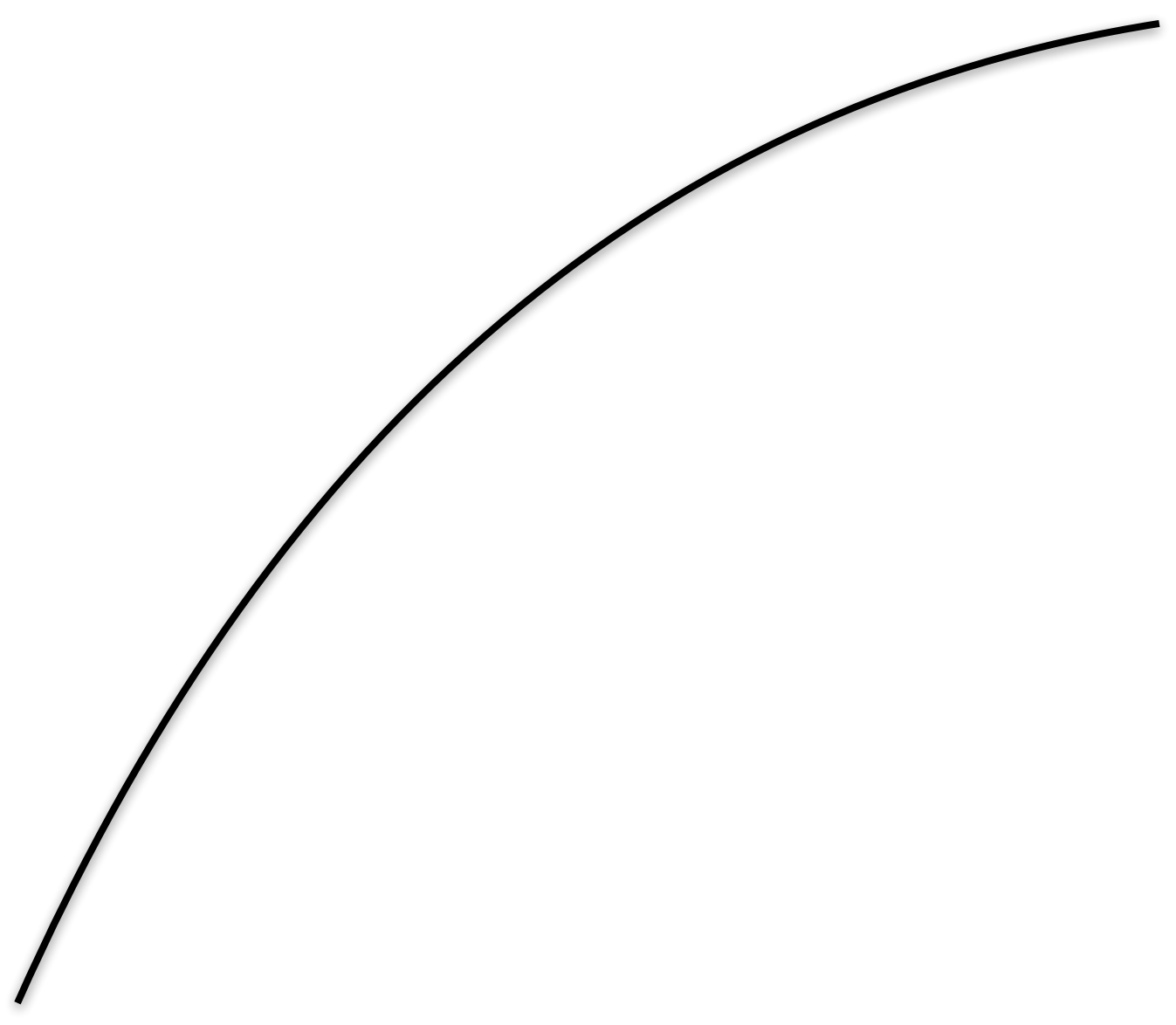
1



8

2






Because the Marginal Product is negative,


$$MP_{14} = -5$$


$$\text{MP}_{15} = -8$$


$$\text{IMP}_{16} = -11$$



$$MP_{17} = -13$$



5

$$I_{MP_{13}} = -2$$

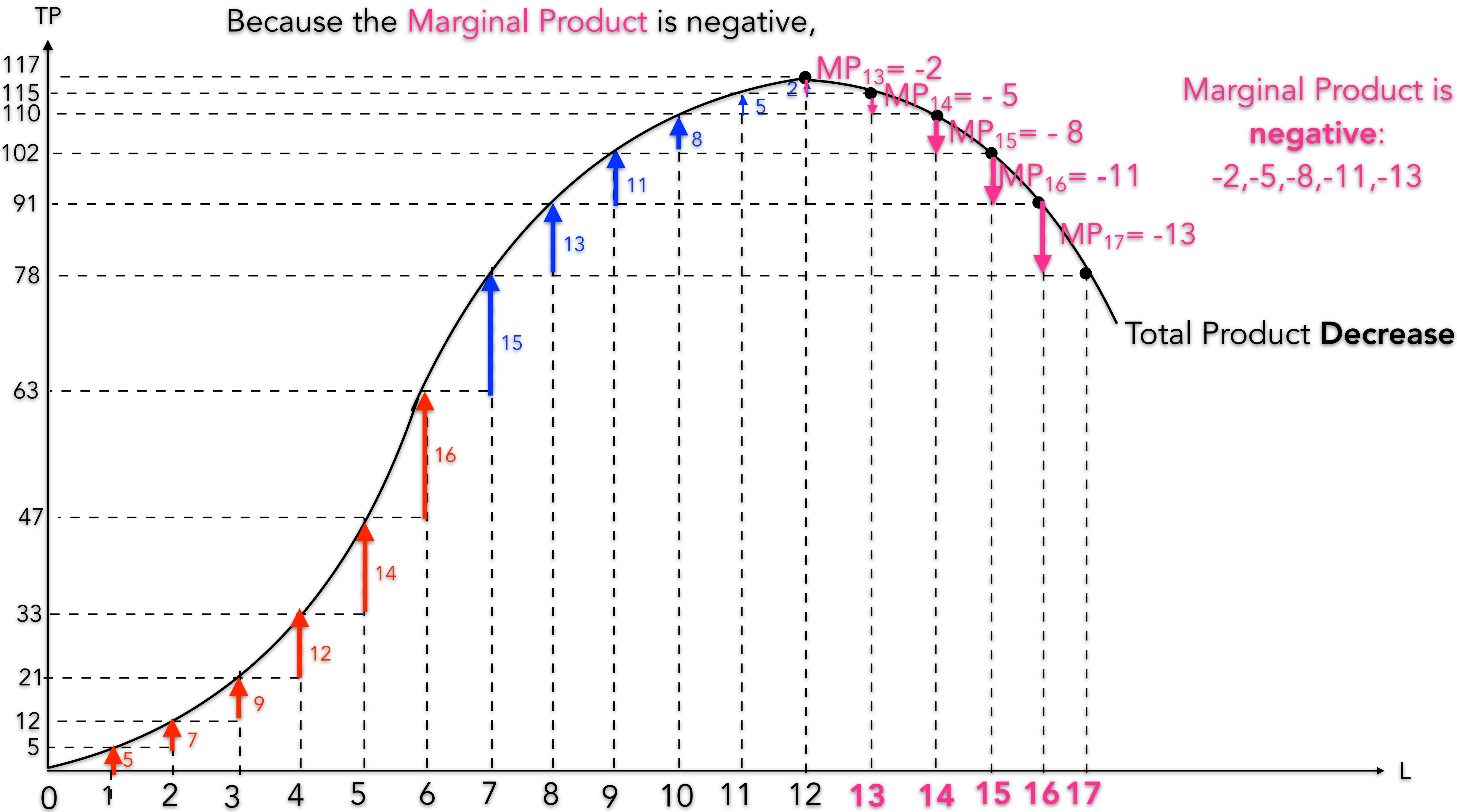
TP



Marginal Product is

negative:

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



Adding workers to a Fixed Size Plant

