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Índice PIB:

Año	2021	2020	2019	2018
NI_{i-1}^i	107,41	90,16	103,42	103,56

a) El PIB descendió en 2020 porque el índice NI_{2019}^{2020} es menor que 100.

b) $PIB_{2017} = 1.161.867 \text{ M €}$

$PIB_x ?$

$$\bullet \quad NI_{2017}^{2018} = \frac{PIB_{2018}}{PIB_{2017}} \cdot 100 \rightarrow$$

$$\rightarrow PIB_{2018} = \frac{NI_{2017}^{2018} \cdot PIB_{2017}}{100}$$

$$\boxed{PIB_{2018} = \frac{103,56 \cdot 1.161.867}{100} = 1.203.229 \text{ M€}}$$

De la misma manera se calculan los demás:

$$\boxed{PIB_{2019} = \frac{NI_{2018}^{2019} \cdot PIB_{2018}}{100} = \frac{103,42 \cdot 1.203.229}{100} = 1.244.380 \text{ M€}}$$

$$\boxed{PIB_{2020} = \frac{NI_{2019}^{2020} \cdot PIB_{2019}}{100} = \frac{90,16 \cdot 1.244.380}{100} = 1.121.933 \text{ M€}}$$

$$\boxed{PIB_{2021} = \frac{NI_{2020}^{2021} \cdot PIB_{2020}}{100} = \frac{107,41 \cdot 1.121.933}{100} = 1.205.068 \text{ M€}}$$

c) NI_{2017}^x

$$NI_{2017}^{2018} = 103,56$$

↑
Ya calculado
en la tabla

$$\boxed{NI_{2017}^{2019} = \frac{PIB_{2019}}{PIB_{2017}} \cdot 100 = \frac{1.244.380}{1.161.867} \cdot 100 = 107,10}$$

$$\boxed{NI_{2017}^{2020} = \frac{PIB_{2020}}{PIB_{2017}} \cdot 100 = \frac{1.121.933}{1.161.867} \cdot 100 = 96,56}$$

$$\boxed{NI_{2017}^{2021} = \frac{PIB_{2021}}{PIB_{2017}} \cdot 100 = \frac{1.205.068}{1.161.867} \cdot 100 = 103,72}$$