

$$H = \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots + \frac{1}{2018} + \frac{1}{2019}$$

$$K = \frac{2018}{1} + \frac{2017}{2} + \frac{2016}{3} + \dots + \frac{2}{2017} + \frac{1}{2018}$$

olduğuna göre $\frac{K}{H}$ kaçtır?

A) 2019

B) $\frac{1}{2019}$

C) 2018

D) $\frac{1}{2018}$

E) 2020

$$2019 \cdot H = \frac{2019}{2} + \frac{2019}{3} + \frac{2019}{4} + \dots + \frac{2019}{2018} + \frac{2019}{2019}$$
$$K = 2018 + \frac{2017}{2} + \frac{2016}{3} + \frac{2015}{4} + \dots + \frac{2}{2017} + \frac{1}{2018}$$

$$2019 \cdot H - K = -2017 + \underbrace{1 + 1 + 1 + \dots + 1 + 1}_{2017 \text{ tane}}$$

$$2019 \cdot H - K = 0 \Rightarrow 2019 \cdot H = K$$

$$\frac{K}{H} = 2019$$