$$\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{3} + \frac{1}{2} \frac{1}{3} + \frac{1}{2} \frac{1}{3} = \frac{1}{1} \frac{1}{1$$

$$\frac{1}{1}$$
 0 $n=1$ icin $\frac{1}{1\cdot 2} = \frac{1}{1+2}$ $\frac{1}{2} = \frac{1}{2}$

$$\frac{1}{1.2} + \frac{1}{2.3} + - - + \frac{1}{E.(16-1)} = \frac{2}{E+1}$$

$$=) \frac{k}{k+1} + \frac{1}{(k+1)(k+2)} = \frac{k+1}{k+2}$$

$$= \frac{k}{k+1} + \frac{1}{(k+1)(k+2)}$$
(k+2)

$$= \frac{k.(1k+2)+1}{(k+1)(k+2)}$$

$$=\frac{k+1}{k+1}$$

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