

$$(1) (2) \longrightarrow \frac{1}{2}$$

$\boxed{3} \mid (3)$
 1 \rightarrow take 1 $\rightarrow \frac{1}{n}$
~~3 \rightarrow take 3 $\rightarrow \frac{1}{n} * 0$~~

~~3~~ take 3 $\rightarrow \frac{1}{5} * 0$

$$\text{take-2} \rightarrow \frac{(n-2)}{n} * \frac{1}{(n-2)} f(2)$$

$$\boxed{4} \quad f(4)$$

1 \longrightarrow take 1 $\longrightarrow \frac{1}{n}$
take 3 $\longrightarrow 0$

Take 3 $\rightarrow 0$

Take 2 $\rightarrow \frac{n-2}{n} \approx \frac{1}{n-2} f(2)$

take 3 $\rightarrow \frac{n-2}{n} \times \frac{1}{n-2} f_3$

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$$f(n) = \frac{1}{n} + \frac{1}{n} \alpha(0) + \frac{(n-2)}{n} \left[\frac{1}{(n-2)} + f(n-1) \right]$$

$$\left(\frac{1}{(n-2)} \cdot f(n-2) + \dots + \frac{1}{(n-2)} \cdot f(2) \right)$$

$$= \frac{1}{h} f(0) + \frac{1}{h} \left(f(h-1) + f(h-2) + \dots + f(2) \right)$$

$$= \frac{1}{n} [f(n-1) + f(n-2) + \dots + f(2) + 1]$$

★ $n > 2$ $f(n) = \frac{1}{2} = 0.5$