

> # 1から10を用いた各種数表 by H.E :

> $c := 0$: **for** h **from** 1 **to** 10 **do** $c := c + \text{ithprime}(h)$: $\text{print}(H=h, \text{PrimeSum}=c[h])$:
 $\text{print}\left(\frac{1}{[h]^2} = \text{evalf}\left(\frac{1}{h^2}, 3\right)\right)$: $\text{print}(\text{円の面積} = \text{Pi} \cdot h^2)$: $\text{print}\left(\sum_{i=1}^h \frac{1}{[i]} = \sum_{i=1}^h \frac{1}{i}\right)$:

$\text{print}\left(\frac{1}{H!} = \text{evalf}\left(\frac{1}{h!}, 3\right)\right)$ **od**:

$H=1, \text{PrimeSum}=2_1$

$$\frac{1}{[1]^2} = 1.$$

円の面積 = π

$$\frac{1}{[1]} = 1$$

$$\frac{1}{H!} = 1.$$

$H=2, \text{PrimeSum}=5_2$

$$\frac{1}{[2]^2} = 0.250$$

円の面積 = 4π

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

$$\frac{1}{H!} = 0.500$$

$H=3, \text{PrimeSum}=10_3$

$$\frac{1}{[3]^2} = 0.111$$

円の面積 = 9π

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} = \frac{11}{6}$$

$$\frac{1}{H!} = 0.167$$

$H=4, \text{PrimeSum}=17_4$

$$\frac{1}{[4]^2} = 0.0625$$

円の面積 = 16π

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} = \frac{25}{12}$$

$$\frac{1}{H!} = 0.0417$$

$H=5, \text{PrimeSum}=28_5$

$$\frac{1}{[5]^2} = 0.0400$$

円の面積 = 25π

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} + \frac{1}{[5]} = \frac{137}{60}$$

$$\frac{1}{H!} = 0.00833$$

$$H=6, \text{PrimeSum} = 41_6$$

$$\frac{1}{[6]^2} = 0.0278$$

$$\text{円の面積} = 36 \pi$$

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} + \frac{1}{[5]} + \frac{1}{[6]} = \frac{49}{20}$$

$$\frac{1}{H!} = 0.00139$$

$$H=7, \text{PrimeSum} = 58_7$$

$$\frac{1}{[7]^2} = 0.0204$$

$$\text{円の面積} = 49 \pi$$

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} + \frac{1}{[5]} + \frac{1}{[6]} + \frac{1}{[7]} = \frac{363}{140}$$

$$\frac{1}{H!} = 0.000198$$

$$H=8, \text{PrimeSum} = 77_8$$

$$\frac{1}{[8]^2} = 0.0156$$

$$\text{円の面積} = 64 \pi$$

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} + \frac{1}{[5]} + \frac{1}{[6]} + \frac{1}{[7]} + \frac{1}{[8]} = \frac{761}{280}$$

$$\frac{1}{H!} = 0.0000248$$

$$H=9, \text{PrimeSum} = 100_9$$

$$\frac{1}{[9]^2} = 0.0123$$

$$\text{円の面積} = 81 \pi$$

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} + \frac{1}{[5]} + \frac{1}{[6]} + \frac{1}{[7]} + \frac{1}{[8]} + \frac{1}{[9]} = \frac{7129}{2520}$$

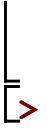
$$\frac{1}{H!} = 2.76 \cdot 10^{-6}$$

$$H=10, \text{PrimeSum} = 129_{10}$$

$$\frac{1}{[10]^2} = 0.0100$$

$$\text{円の面積} = 100 \pi$$

$$\frac{1}{[1]} + \frac{1}{[2]} + \frac{1}{[3]} + \frac{1}{[4]} + \frac{1}{[5]} + \frac{1}{[6]} + \frac{1}{[7]} + \frac{1}{[8]} + \frac{1}{[9]} + \frac{1}{[10]} = \frac{7381}{2520}$$



$$\frac{1}{H!} = 2.76 \cdot 10^{-7}$$

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