

Find your group members

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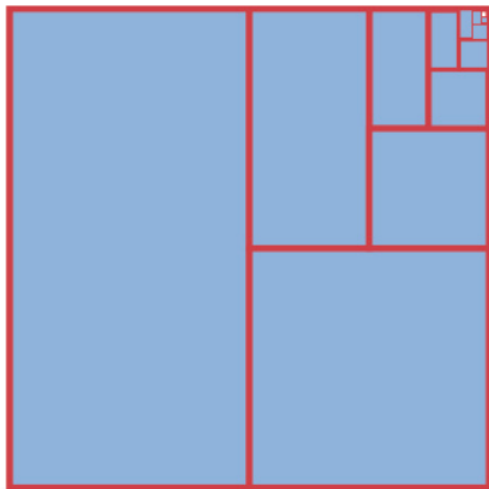
$$\lim_{k \rightarrow \infty} \sin \left(\frac{1152}{k} \right)$$

$$\lim_{k \rightarrow \infty} -e^2 + \left(1 + \frac{2}{k}\right)^k$$

$$\lim_{n \rightarrow \infty} \frac{n^2}{e^n}$$

$$\lim_{k \rightarrow \infty} \frac{\cos^2 k}{2^k}$$

$$\lim_{k \rightarrow \infty} \cos \left(\frac{2018}{k} \right)$$



$$\frac{1}{2} + \frac{1}{4} + \frac{1}{8} + \frac{1}{16} + \dots$$

$$\lim_{k \rightarrow \infty} k \sin \left(\frac{1}{k} \right)$$

$$\lim_{n \rightarrow \infty} n^{\left(\frac{1}{n}\right)}$$

$$\lim_{n \rightarrow \infty} n^{\left(\frac{1}{n}\right)}$$

0.1111111...

The least upper bound of the sequence

$$\left\{ \frac{n}{9n + 5} \right\}_{n=1}^{\infty}$$

$$\lim_{k \rightarrow \infty} \frac{1}{9} + (-1)^k \left(\frac{1152}{k} \right)$$

$$\lim_{n \rightarrow \infty} \frac{n}{9} \sin \left(\frac{1}{n} \right)$$

$$\left\{ \sin \left(\frac{j\pi}{2} \right) \right\}_{j=1}^{\infty}$$

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The sequence $\{a_k\}$ defined by

$$a_k = \cos \left(\frac{(k-1)\pi}{2} \right)$$

for $k = 1, 2, 3, 4, \dots$

The sequence $\{a_n\}$ defined by

$$a_n = \cos\left(\frac{n\pi}{2}\right)$$

for $n = 0, 1, 2, 3, 4, \dots$

$\{1, 0, -1, 0, 1, 0, -1, 0, \dots\}$