

Calculus

Find glb and lub of the set

$$S = \frac{n+1}{n} \quad n \in \mathbb{N}.$$

$$S = \frac{n+1}{n} = 1 + \frac{1}{n}.$$

$$n > 0 \quad n > 1.$$

$$\frac{1}{n} > 0 \quad \frac{1}{n} < 1.$$

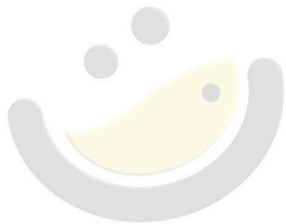
$$0 < \frac{1}{n} < 1.$$

$$1 < 1 + \frac{1}{n} \leq (1 + 1)$$

$$1 < 1 + \frac{1}{n} \leq 2.$$

$$g.l.b = 1.$$

$$l.u.b = 2.$$



OMG { MATHS }

The poetry of logical ideas.