

$$= m \cdot \frac{1}{2m} = \frac{1}{2} > 0.4 = \epsilon, \text{ which is}$$

Contradiction,

Hence $\sum u_n = 1 + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} + \dots + \frac{1}{n} + \dots \rightarrow \infty$
diverges

1	2	3	4	5	6
7	8	9	10	11	12
13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30
31					
32					