$$T(n) = T(n-1) + \frac{1}{n}$$

$$T(n-2) = T(n-2) + \frac{1}{n-2}$$

$$T(n-k+1) = T(n-k) + \frac{1}{n-2}$$

$$T(n) = T(y) + \frac{1}{n} + \frac{1}{n-2} + \dots + \frac{1}{n}$$

$$T(n) = T(y) + \frac{1}{n} + \frac{1}{n+1} + \dots + \frac{1}{n} \leq 1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$$

T(n) & in log n.

= N13 N.