Recurrence Relation -> Recursive

$$T(n) = \begin{cases} 1 & m = 1 \longrightarrow \frac{\text{Base cave}}{\text{condition}} \\ \frac{T(n-1) + \frac{1}{m}}{m} & m > 1 \end{cases}$$

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

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

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

$$\underline{m-1}$$

$$T(n) = T(n-2) + 1 + 1$$
 $m-2+1$

$$L(u) = L(u-3) + \frac{3}{1} + \frac{3}{1} + \frac{1}{1}$$

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

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