

$$f(k,n) = \begin{cases} 0 & \text{if } n = 0 \\ \min(\max(f(k,n-x), f(k-1,x-1))) & \text{for } x \in [1 \dots n] \\ 1 & \text{if } n > 0 \text{ and } k > 1 \end{cases}$$

(1)