$$f(n) = \begin{cases} 1 & if\ n = 0\ or\ n = 1 \\ n * f(n-1) & otherwise \end{cases}$$

$$f(n) = \begin{cases} 1 & if\ n = 0\ or\ n = 1 \\ f(n-1) + f(n-2) & otherwise \end{cases}$$

$$f(m,n) = \begin{cases} 1 & if\ m = 0\ or\ m \geq\ n \geq 1 \\ f(m-1,n) + f(m-1,n-1) & otherwise \end{cases}$$

$$f(n) = \begin{cases} 0 & if\ n = 1 \\ L(\lfloor \frac{n}{2} \rfloor) & otherwise \end{cases}$$

$$f(x) = \begin{cases} 1 & \text{if } x=0 \\ 2 & \text{if } x=1 \\ 2 \cdot f(x-1) & \text{if } x \geq 2 \end{cases}$$

$$Q(a,b) = \begin{cases} 0 & if\ a < b \\ Q(a-b,b) + 1 & if\ b \leq a \end{cases}$$

$$\gcd(a,b) = \begin{cases} a & if\ b = 0 \\ \gcd(b,a) & if\ a < b \\ \gcd(a-b,b) & otherwise \end{cases}$$

$$\gcd(a,b) = \begin{cases} a & if\ b = 0 \\ \gcd(b,a) & if\ a < b \\ \gcd(b, a\ mod\ b) & otherwise \end{cases}$$

$$h(n) = \begin{cases} 3 * n & if\ n < 5 \\ 2 * h(n-5) + 7 & otherwise \end{cases}$$

$$rev(S, n) = \begin{cases} S & if\ n = 1 \\ sub(S, n, 1) + rev(sub(S, 1, n-1), n-1) & otherwise \end{cases}$$

$$X(A) = X(A, n, k) = \begin{cases} 0 & if\ k = 0 \\ x(k-1) + A[k] & if\ 0 < k \leq n \\ x(k-1) & if\ k > n \end{cases}$$