$$f(a, ...)$$

$$f(n)$$

fibonacci sequence 1, 1, 2, 3, 5, 8, 13, 21 ... fib (n) { entre in site of the if (n == 1 or n == 2)return 1; return f(n-1) + f(n-2); booken is - falindrome (s) { is togging str if (s. equals ("1) return true; if (5. fength () == 1) return true; if (5. char At (a) = - 5. charAt (-1)) return is_palindrame (s. substring (1, -1)); return false;

$$f(k, 5)$$
 $= \sum_{i=0}^{5} f(k-i, 5-i)$

$$f(1)$$
 $n = 1$

1x2, 1x1 dep6/ 12xn des do 150 20 10 10 10 5 2 C g $\begin{cases}
\exists f(n-1) \\
\exists g(n-1)
\end{cases}$ $\exists g(n-2)$ f(n) = f(n-1) + g(n-1) + f(n-2) + g(n-2) g(n) g(n) = f(n) + g(n-1)g (a) = 1 8(1) = 2 f (4 = 7 g(1) = 3

1000, 1, 5, 4, 7, 6, 2, 10 f(a) { ibser, we in hard n = lal P:= a Usl ries 11 r:= a bles/ Col 15:= f(1) rs = f() ans := {} i = 0 $\hat{\mathfrak{u}} = \mathcal{D}$ while (ans. size 4 n)} if (15[i] X MZj]) ans.add (95 [is]) 2+t) else ans. add (5=j]) D++;

return ans: