public class Folomacci Racorsiva & 1 Public static int (:bonacci (int 1) 2 it (n/=1) return 1; elset retoin tibonacci (nen) + (ibonacci (n-2)) public static void main (String & Dargs) & int n=10; Systemout. Printin (Fibonacci (+n+1) + (ibonaccia)); 2) Recurrencia F(0) = 0, F(1) =1 F(n) = F(n-1) + F (n-2) nona n = 2 Recurencia lineal de regundo orden con conficientes constantes F(n) = yn 3.1. Lynosian de calución 3.2, Eurovan caracterstino 87-1-120 11,2 7 1± VS

Tolucion general = F(n)= A D + Bp 4. F(0)=0=A00+B0=A+B=0 F(N=1=) A0+BU=1 Resolveries 1. A +B =0 => B = - A 2. A 0 - A0 = 1 > A (0-10) = 1 = A = 2-0 th = 1 (or on) Emadon cenada (Binet) Renostran (por indución) Fun = 1/5 (0"-10") NZO n=0 F(0)-1=(0)-1=(1-0) N=1 F(1) = 12(0+ 4) = 13(13) = 1 Poso industria on a se currate no KA F(K+1)= F(K)+F(K-1) torra cerroon F(K+1) = 1= (0) -F(K)+ F(K-1) = { (0 x 1) + 2 (0 x 1)

Bactonours 10K+0K-1-04-1(0+1)=0K+1(y0 que 02=0+1 CHAPLK-17=7-10 1-10 Dengstrado por inducción