The meetres of question; calculate calary on not day: F(n) = F(n-1) + F(n-2)+F(n-1) xF(n-2) F(n) c F(n-1) (I + F(n-2) + F(n-2) F(n) = F(n-1)(1+F(n-2)+(1+F(n-2)+1 (1+ F(n)) = (F(n-2)+1)(F(n-1)+1) let 4:(N) = 1 + F(M) [[F(M) = 4(N)-1] 9(N-1) e 17 F(n-1) 14(N-2) C/4 F(M-2) G(N) = G(N-1) * G(N-2) 4(0) = let a 4(1) = lets problem ils that 4(2) c axb but f(n-1) can exceed 9(3) c a = b2 interference de la como 4(3) = a3b3 9 (\$) zaby g(N)z(afib(n-1)) f(b(n)) g(n) Fermets days [a mod pa = 1 = x*(-1) + fib(n-1)7.(p-1) wigherpansion remainder queodro domsor

[hure p ds m so let put there jes (n-1) / (m-1) = [a / "/. m x a]. fils (n-1) %. m]?. m I acc to journers (a fis(n-11 q. (m-1)) 1. m now sence me une takery mid & jactorial, me can lasely calculate this value, using matrix exportente atton and moduler experientiation. 400(m) 40 m = (b fub(n) 1/0 (m-1)) % m