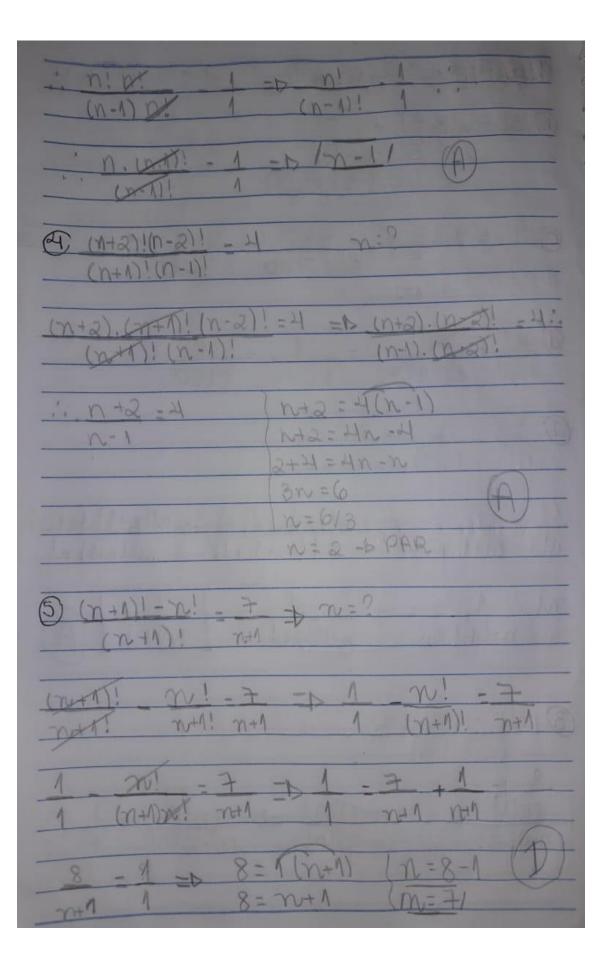
Evelyn Santos de Santana

CTII348

Fatorial de um número natural

OQ 4! = 4.3.2.1 = 241
(b) 5! -6! = 5! -6.5! 5! (-6+1) 120. (-5) = 76001
C9! = 9.8.7.6! = 9.8.7.6! = 9.8.7.700.9.8.750001 61 6.51 720 300
100! 100.99.981 100.99 199001
$ \frac{2}{n!} \frac{1}{(n+1)} = 9 $
$\frac{1! - n}{n!!} = \frac{1! - n! - n! - n! - n! - n! - n!}{n!! - n!! - n!! - n!! - n!!} = \frac{n! (n+1) \cdot n! + 1 \cdot (n!)}{n!! - n!! - n!!}$
n! 1 1 m!(n+1):n! = [n+1)! (n+1)!
$\frac{3(n!)^2 - (n-1)! n!}{(n-1)! n!}$
$\frac{(n!)^2}{(n-1)!n!} = \frac{(n-1)^2}{(n-1)!n!} = \frac{1}{(n-1)!n!} = \frac{1}{(n-1)$



6 nen, n21 to (n-1)! [(n+1)!-n!] (n-1)! [(n+1)!-n!] (n-1)! I(n+1). n. (n-1)! -n. (n-1)!] (m-1)! [(n-1)][(n+1). n -n]] (n-1) ! E(n-1) ! En (n+1) - 17 (n-1): [(n-1): [(n) (n)]] An!+m-1)! (n+1)!-n1 n(n-1)!+(n-1)! (n+1). n. (n-1)! -n (n-1)! (n+1) - 10 (n+1) LA-1). [(n+1).n-N] 25 (n+1) n-N 25 => n-1 -16 n=25= 11125 6n2=25(n+1) 6n2 = 25n+23 6 n2 - 25 n - 25 = 0 b= (-2572-4.6.(-25) D= 625+600 na=70/12=15 ñ satisfaz D= 1125

8 21! - 221 → ALGERISMO DAS DEZENAS
[21.29.19.18.17.16.15.14.13.12.11.10.9.8.7.61)-221 420. 342 272 210 156 110 504 220
51090942171709440000-221=
510909421717094397A9
47 DEZENAS