Nome: Paola Martins da Silva_____ - CTII 317 — DATA: 01/07/21

TAREFA BÁSICA 8 FATORIAL DE UM NÚMERO NATURAL

$$\begin{array}{c} (01) \text{ a.)} 4! = 4.3.2.1 = 24 \\ (01) 5! - 6! = 5! = 120 \\ (01) 6! = 6.5! = 120.6 = 720 \\ (01) 6! = 120 - 720 = -600 \\ (01) 6! = 6! = 720 \\ (01) 6! = 6! = 720 \\ (01) 720 = 504 \\ (01) 98! = 363.580 = 504 \\ (01) 98! = 363.580 = 3900 \\ (01) 98! = 3900 \\ (01) 9900 = 3900 \\ (0$$

$$\frac{1}{n!} - \frac{n}{(n+1)!} - \frac{1}{(n+1)n!} = \frac{1}{n!} (1 - \frac{n}{n+1}) = \frac{1}{n!} (n+1) = \frac{$$

$$\frac{(3)(n!)^{2}-(n-1)n!}{(n-1)!n!} \Rightarrow 0 \text{ mormo que } \frac{n! \cdot n! - (n-1)n!}{(n-1)n!} \Rightarrow 0$$

$$\frac{(n-1)! \cdot n!}{(n-1)!n!} \Rightarrow \frac{n! \cdot (n-1)!}{(n-1)!} \Rightarrow \frac{n-1}{2} \text{ as sepa}[n-1] \text{ where } A$$

$$\frac{n! - (n-1)}{(n-1)} \Rightarrow \frac{n \cdot (n-1)! - (n-1)!}{(n-1)} \Rightarrow \frac{n-1}{2} \text{ as sepa}[n-1] \text{ where } A$$

$$(n+2)! \cdot (n+2)! = 4$$
 $(n+2)! \cdot (n-1)!$
 $(n+2)!$

Colorar em evidência:

$$(n-1)! [(n+1)! -n!]$$

Colorar em evidência:

 $(n-1)! [(n+1)n! -n!]$
 $(n-1)! [(n+1)n! -n!]$
 $(n-1)! [(n!(n+1-1)) = [n(n-1)!][n!] = [n(n-1)!][n!] = [n!]$

Of
$$\frac{n! + (n-1)!}{(n+1)! - n!} = \frac{6}{25}$$

coloron em widencies:
$$\frac{n(n-1)! + (n-1)!}{(n+1) n! - n!} = \frac{6}{25}$$

$$\frac{(n-1)! [n+1]}{(n+1) - 1} = \frac{6}{25}$$

$$\frac{(n-1)! [n+1]}{(n-2)!} = \frac{6}{25}$$

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$$\frac{(n-1)! [n+1]}{(n+1) - n!} = \frac{6}{25}$$

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$$\frac{(n-1)! [n+1]}{(n+1) - 1} = \frac{6}{25}$$

$$\frac{(n-1)! [n+1]}{(n-1) - 1} = \frac{6}{25}$$

$$\frac{(n-1)$$