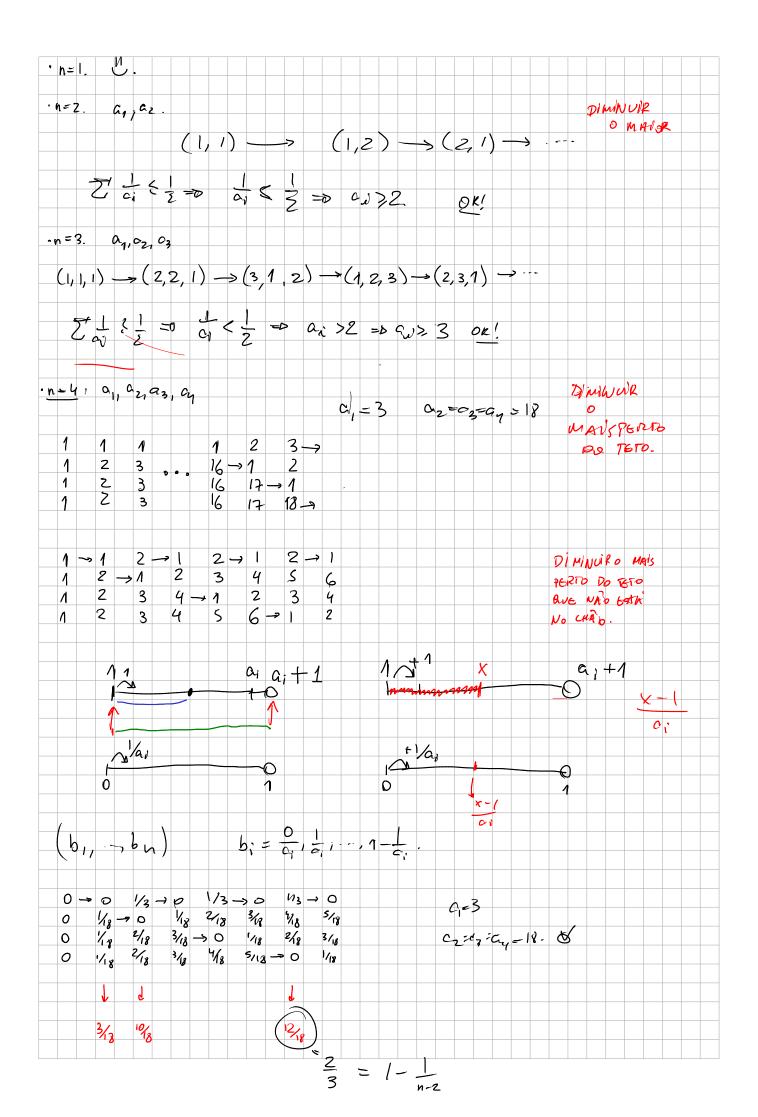
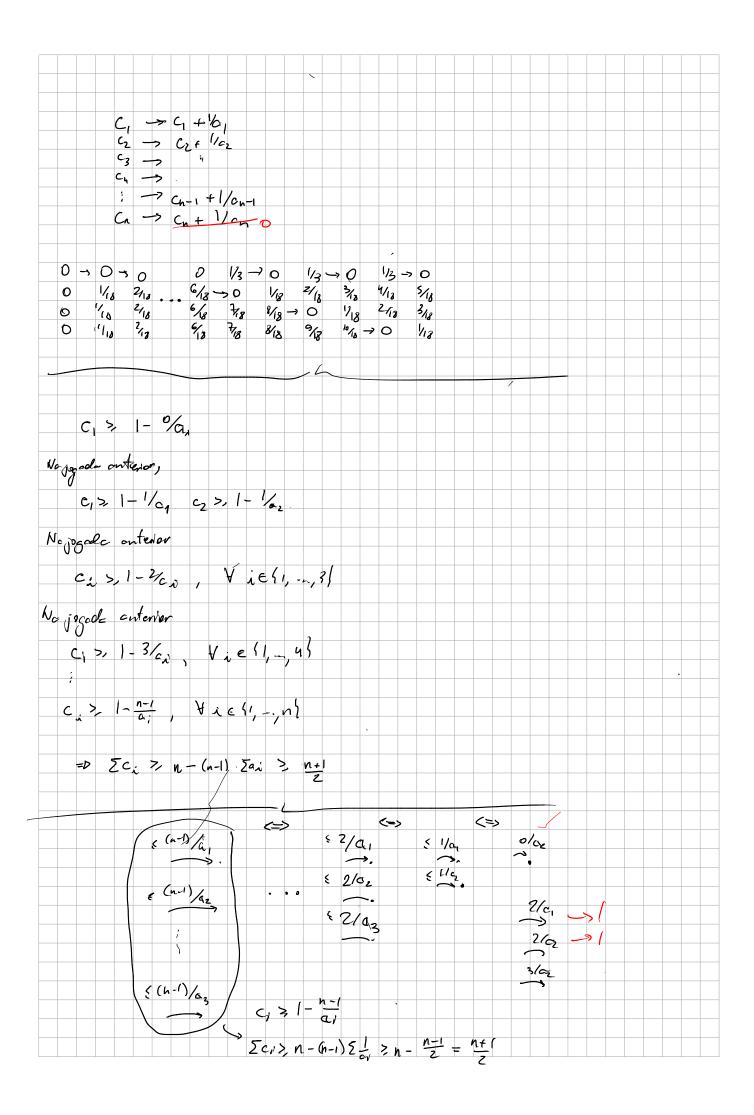
[P2]

Ache todos filk - jR tois que	
$f(x+yf(x+y)) = y^2+f(x)f(y).$,
P(x, y)	
$\frac{P(x,0)}{f(x)} = f(x) \cdot f(0) = f(x)$)=0, 4x 9 leste evel que não funciona.
zo f(0) = 1.	f(x) = 1+x finedona.
$\frac{P(x,-x)}{(x)}: \qquad 1 = x^2 + f(x)f(-x)$	
$f(x) f(-x) = 1-x^2 = (1+x)(1$	-x)
	$\frac{1}{2}$ ou $f^{(-1)}=0$ \\ \frac{1}{2} Seja a \&\(\xi\)\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
· Se p(x) = 0:	
$\frac{P(o, x_0)}{1 = p(o) = k_0} = x_0^2 + p(x)$,=£1.
P(x,1): f(x+f(x+1))=1	
$P(0, x_i) : f(x, f(x, x)) = x_i^2 + c(x_i)$	Se $f(x_1) = 1$
$1 = \chi_1^2 + 1$	Se $f(x_i) = 1$ = $D \times i = 0$
$X_1 = \emptyset$	
P(x,a): f(x+af(x+a))=1 =>	$\varphi(x+1) = -x - p \varphi(x) = 1 - x.$
$\Rightarrow x + a p(x+a) = 0$	$x = \varphi(x-1) \Rightarrow \varphi(x) = x+1.$
	$\chi = f(x-1) = g(x) = g(x)$

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