$$f(x) = \begin{cases} \frac{x}{4} & x & 0 \leq x \leq 1 \\ \frac{3}{4} & \frac{1}{2} & 1 \leq x \leq 2 \end{cases}$$

$$(0 + x + x + 2) = \begin{cases} \frac{1}{4} & x + 2 \\ 0 & x + 2 \end{cases}$$

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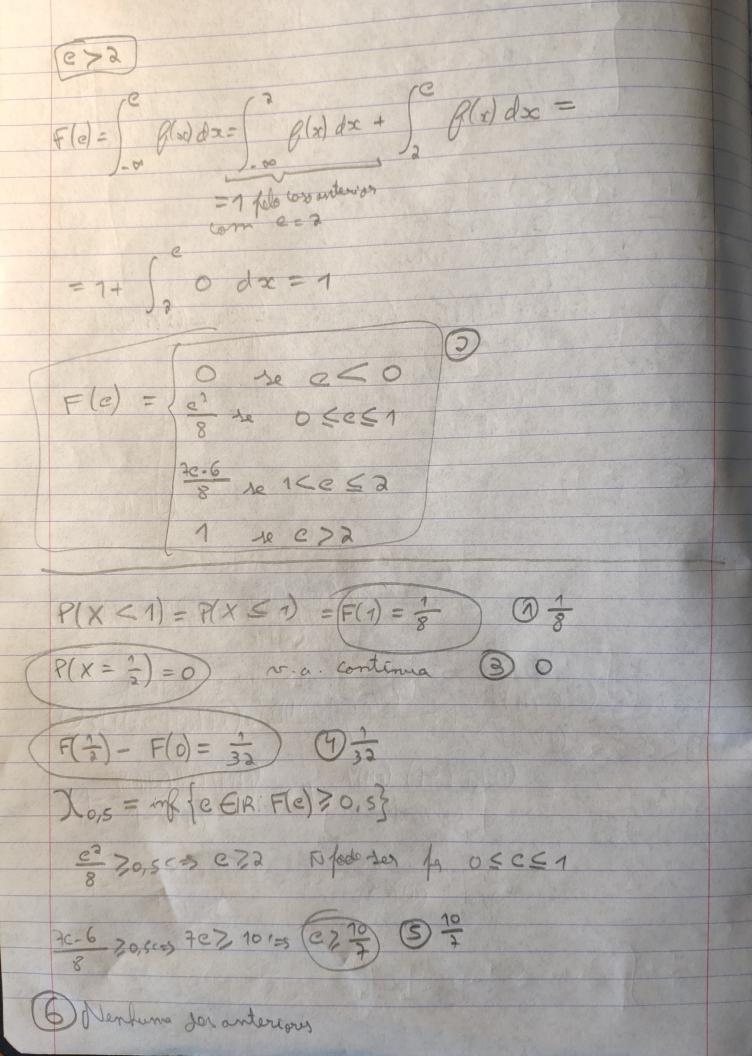
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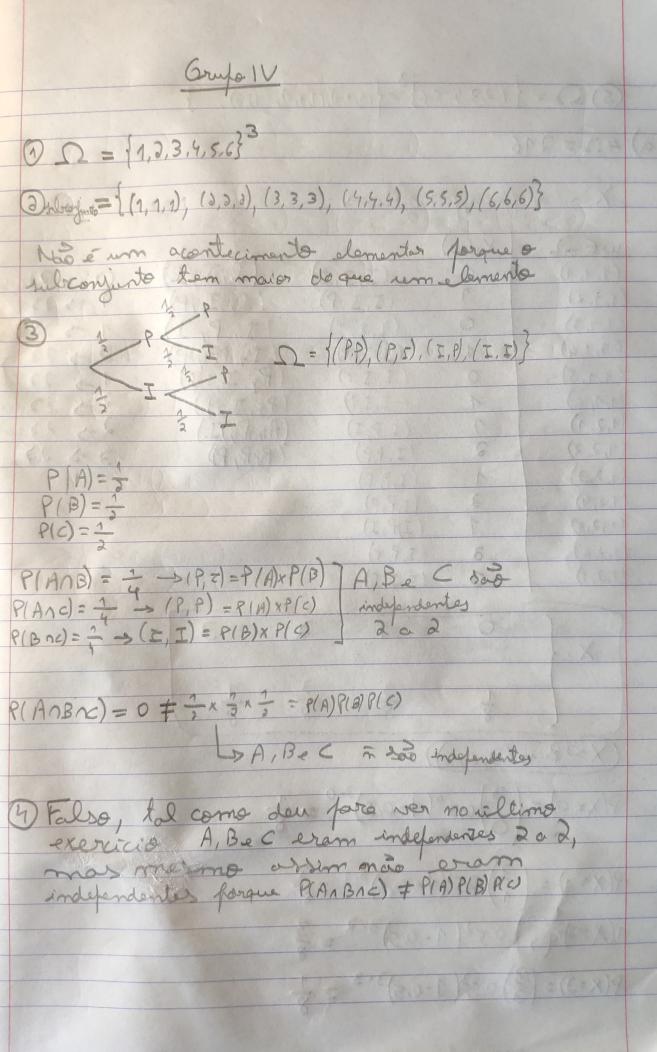
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Grufoll 1) Y~N(0,4) Z= Y-0 ~N(0,1) P(Y <-4) = P(2Z <-4) = P(Z<-2) = 1-P(Z<2) =1-(P(ZSO)+P(O<Z<2)) =1-(0,5+0,4772)=(0,0228) D P/122/50) = 2P(0<22/50) = 2P(0<251) = 2 (0,3413) (0,6826) V~N(3+0,9+4x4) 7(304>5)= +(3002)= 1+ P(2 



$$F: R \rightarrow [0, 1]$$

$$e \mapsto F(e) = P(X \le e)$$

$$P(X \le 0) = P(X_1 = 0) = \frac{1}{2}$$

$$P(X \le 1) = P(X_1 = 0) = \frac{1}{2}$$

$$P(X \le 1) = P(X_1 = 0) + P(X_1 = 0)$$

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