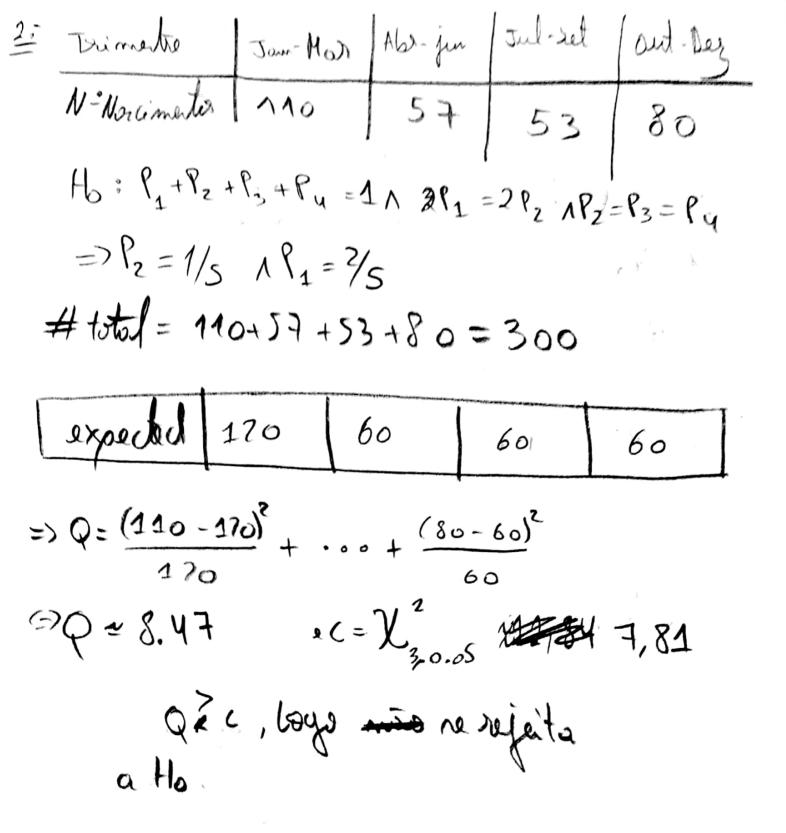
Fidne 11 - Qui-Quadrado: 1: may. 1 2 3 4

N'depitor

500
power 20 25 0 5 Hà 4 maquinar, e um total de 40 defeitor/500, Wyo, $M = \frac{40}{4} = 10 N^2 \frac{\text{dejeita/500}}{1.0 \text{idade}}$ Assumindo Ho de que exprobabilidade não todos iguais, entre or valorer expetador de cada uma dur maquinos è igual à midia. $= 7Q = \frac{(20-10)^{4}}{10} + \frac{(25-10)^{2}}{10} + \frac{(0-10)^{2}}{10} + \frac{(5-10)^{2}}{10}$ (=) Q = 35 Q> X3,005 laps se jeita no a hipsobse mula. 4.1.=3 X3,0.05 47.81



30 Ho: Aprocura de camios este uniformente distri-buido ao logo N-de dias 70 60 expected So => Q = 20 ec27.81 Q>C, Loyo Rejeita-1 a Ho. = n=300 , \= 2.4; P(x>,7)=1-P(xx7) =1-P(x < 6)

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= 1-0.9884

= 0.0116

N 0 1 2 3 4 5 6 7,7

f 19 48 66 74 44 35 10 4

prob 0.0907 0.2177 0.2613 0.7090 0.1254 0.0602 0.0241 0.0116

L:
$$27.21$$
 65.32 75.39 62.7 27.62 18.06 7.23 3.48

Q = $\frac{(19-27.21)^2}{27.21}$... $\frac{(4-3.48)^2}{3.48}$

BQ= 29.17 eC= V 18.48

Q>C= Pej Ho.

S= Ho. A remobalisation × (ecidete co code contra reque mus dist de possion).

curvar = 2500

 $\lambda = M$

B) $\lambda = 0 \times 1448 + 1 \times 805 + \cdots + 6 \times 1$

(3) 1 € 0.54 BM

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$$f(x) = \frac{1}{x!}$$

$$f(x) = \frac{1$$

$$= Q = \frac{(1443 - 1456.87)^{2}}{1456.87} + \frac{(7-3.77)^{2}}{5.77}$$

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$$= Q = \frac{(1443 - 1456.87)^{2}}{5.77} + \frac{(17-3.77)^{2}}{5.77}$$

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Les tribunição binamial m=4 equilibrada $\Rightarrow T = 1/2$ · - 0 41 $f(x) = {MY \choose x} 0.30 (1-0.50)^{4-x}$ Po=Plo)= 0.0625 -> 20 2 10 P== ((1)=0.25 => e= ~ 40 Pz = p/21= 0.375 -> 022 60 P3 = f(3) = 0.40 ->03240 P4= | (4 = 0. 10 - 10 - 10) Q221,88 => Rey Ho. Q>C=9.49

8. Ho: A solind abolish soque musa distribui-

(ii) binishid

$$H dior = 300 \qquad f(x) = {3 \choose x} 0.9^{x} 0.1^{3-x}$$

$$H dior = 300 \qquad f(x) = {3 \choose x} 0.9^{x} 0.1^{3-x}$$

(ii) $3\pi = \frac{16 + 2 \times 55 + 3 \times 228}{300}$

(iii) $3\pi = 2.7$ (iii) $\pi = 0.9$

$$P_{0} = f(0) = 10^{-3} \Rightarrow 20 = 0.3$$

$$P_{2} = f(0) = 0.027 \Rightarrow 21 = 8=18.4$$

(iv) $P_{2} = f(0) = 0.243 \Rightarrow 21 = 72.9$

(iv) $P_{3} = f(3) = 0.729 \Rightarrow 23 = 718.7$

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