Svolgimento esame saitho 4-02-21 1 X2P(X), Y2P(X), Z2P(X) indipendenti. A) La Juncione di probabilità condiniente shix stato X+Y=n =: δh X solo X+7=h e: Ykzo: ρ(k,n) = ρ(X=k | X+/=h) - condize = [ (X=K, X+Y=n) f (x+y=n) I(X=k, X+Y=n) = I(X=k, k+Y=n) == P(X=k, Y=n-k) = P(X=k)P(1/2-n-h)  $-\lambda | K - \lambda | h - k | -2\lambda | h$   $= \ell | \lambda | \ell | \lambda | = \ell | k! | (h - k)!$   $A = \ell | \lambda | k! | (h - k)!$   $A = \ell | \lambda | \ell | k! | (h - k)!$   $\ell | (k, n) - \ell | \ell! | (n - k)!$   $\ell | (2\lambda)^{n} | \ell | (2\lambda)^{n}$   $\ell | (2\lambda)^{n} | \ell | (2\lambda)^{n}$ 

$$\int_{3}^{2} f(x) = \sqrt{x^{2}} \quad 0/x/4$$

$$\int_{3}^{4} f(x) dx = 1 \quad \Rightarrow \quad |x| = 3 \quad |x| = 4$$

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$$\begin{cases} \leq e \text{ To } \leq t_{1-d}, \ n+m-2 \text{ s.i. acate } + lo \\ \leq e \text{ To } > t_{1-d}, \ n+m-2 \text{ s.i. ufinta } + lo \\ = \frac{1}{\sqrt{1+1}} \sqrt{n+m-2} \\ = \frac{1}{\sqrt{1+1}} \sqrt{n-1} S_{x}^{2} + (m-1) S_{y}^{2} \\ = \frac{1}{\sqrt{1+1}} \left(23.2+\cdots+25.5\right) = 24.5 \\ = \frac{1}{\sqrt{1+1}} \left(25.7+\cdots+26.1\right) = 25.71 \\ = \frac{1}{\sqrt{1+1}} \left(23.2-24.5\right)^{2} + \cdots + \left(25.5-24.5\right)^{2} = 2.13 \\ \leq \frac{1}{\sqrt{1+1}} \left(25.7-25.71\right)^{2} + \cdots + \left(26.1-25.71\right)^{2} + c_{y} \end{cases}$$

 $G_{x=G_{y}}^{2}$  ignote n=m=2

Ho: MX SMy V Hz: MX>My

X2 N (Mx,6x)

h<sup>3</sup>3 d=0.01

$$\begin{vmatrix} 0 = 24.5 - 25.71 \\ \frac{1}{7} + \frac{1}{7} \end{vmatrix} = \begin{vmatrix} 6 \times 2.13 + 6 \times 4.2 \\ -1.21 \end{vmatrix} = -1.23$$

$$0.53 \end{vmatrix} = -1.23$$

$$0.53 \end{vmatrix}$$

$$1 - d = 0.33$$

$$t_{0.93,12} = 2.68$$

$$-1.23 \angle 2.68 = 4 \text{ quindizi prate}$$

$$+ t_{0}$$