```
or) g = Af, A = \begin{pmatrix} 7 - \varepsilon & \varepsilon \\ \varepsilon & 7 - \varepsilon \end{pmatrix}
b) f: A-7g, A-7=:B
 13 = (7 - 2\epsilon)^{-7} \begin{pmatrix} 7 - \epsilon & -\epsilon \\ -\epsilon & 7 - \epsilon \end{pmatrix}
  f7/2 = (7-2E) -7 ((1-E) g 1/2 - E g 2/7)
c) Poission => Felior In =7 Vacion & n
   1 (50 VEZ] = (9,0)
  V[\xi] = B V[\xi] B^{T} = (7-2E) \begin{pmatrix} (7-E)^{2} & \xi_{1} + E^{2} & \xi_{2} \\ -C(7-E)(\xi_{1} + \xi_{2}) \end{pmatrix} \begin{pmatrix} (7-E)^{2} & \xi_{2} + E^{2} & \xi_{3} \end{pmatrix}
d)

f7 = 203, 875, f2 = 765, 725, F, tf2 = 369 V
      V [f] = \begin{pmatrix} 257, 765625 & -57, 890625 \\ -57, 890625 & 272,075625 \end{pmatrix}

\sigma_{fi} = \sqrt{(V \xi f) i i}, \quad \sigma_{f_{7}} = 75,8526747

\sigma_{f_{1}} = 74,7374502

\rho = \frac{(\circ V(f_{1},f_{1}))}{\sigma_{f_{1}}} = -0,12015324337796553

  e) f=(262, 707) T fy fz=369 V
     P= -0,9235597729758676
     Durch Feli Katesoni Tienung guchra hein lichtent wind dan
Ersebnig Zufülliger, dies sprieselt dich in den Löheren
Tehlorn und der (nesaltiven) korrelation wieder
   f) For 6-70, 6 vird VCf ] sinsular 124. P-77,
        Die Daten sind also Vollkomen nultion, Tie
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LIKUMMEN III

A38 b) S= A f 8: 5, Ze if= Ene-lines 245 ing, 720-500; 76 bing 75 sis 200 A (50 A 15t 24 × 76 Mar Er & X c) p(k) = 1/2 S; sien die Mennette $\lambda_{i} = A_{i}f \quad \text{gl(so like(ihosd);}$ $L = \frac{24}{11} \lambda_{i}^{3i} e^{-\lambda i} = \frac{24}{11} \frac{(A_{i} \cdot f)^{3i}}{5i} e^{-A_{i} \cdot f}$ $L = \frac{24}{11} \lambda_{i}^{3i} e^{-\lambda i} = \frac{24}{11} \frac{(A_{i} \cdot f)^{3i}}{5i} e^{-A_{i} \cdot f}$ F=-(eg L = & [c(os(sil) - gi (os(Aif) + Aif] d) Free = F+ IIPF112 $\frac{\partial F_{res}}{\partial f_i} = \frac{24}{\delta^{27}} \left(g_i \frac{A_{ii}f_i}{A_{ji}f_i} + A_{ji}f_i \right) + \frac{\partial}{\partial f_i} \frac{7}{2} \left(\frac{76}{5} \left(F_i f_i \right)^2 \right)$ $= -\frac{24}{\xi} + \frac{76}{\xi} \left(f; + \frac{3j}{4\xi} \right) + \frac{76}{\xi} \left(\Gamma_j f \right) \cdot \Gamma_j \cdot f_i$ $\frac{\partial^2 F}{\partial f_i \partial f_j} = \frac{\partial}{\partial f_i} \left(\frac{\partial F}{\partial f_i} \right) = + \sum_{K=1}^{2} \left[\frac{g_K}{A_{Ki}} f_j + A_{Kj} f_j \right]$ + ~ (\frac{\gamma}{\gamma} \bar{\gamma} \gamma_{\kappa \gamma} \frac{\gamma}{\gamma} \gamma_{\kappa \gamma} \gamma_{\kappa \gamma} \frac{\gamma}{\gamma} \gamma_{\kappa \gamma} \frac{\gamma}{\gamma} \gamma_{\kappa \gamma} \ Mit ficht-hait forlach, ich vorsuch sen nicht erat dag za implangerent debissen Ceille za wenig Elit.

ERDANEN E