Consider for BG, N(4, 5,2) P(FG)=P(BG) & 5, = 52 POS 0 26,2 5,527 putting on = 2 $(x-u_1)^2 = (x-u_2)^2$ 3 U1=U2 00 x= 4,+U2 =) We can use 0= 4+43 as thoushold value 52 JZ7

$$\frac{P(86)}{P(F6)} = \frac{G}{G_{1}} e^{-\left(\frac{(M_{1}-M_{2})^{2}}{8G_{1}^{2}} - \frac{(M_{1}-M_{2})^{2}}{8G_{1}^{2}} - \frac{(M_{1}-M_{2})^{2}}{8G_{1}^{2}}\right)}{8 elotton,}$$

$$\frac{P(86)}{P(F6)} = \frac{G_{2}}{G_{1}} e^{-\frac{(M_{1}-M_{2})^{2}}{8G_{1}^{2}}} \times \frac{(\delta_{2}^{2}-\zeta_{1}^{2})}{(\delta_{1}^{2}\sigma_{2}^{2})} - \frac{G}{G_{1}^{2}}$$

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$$\frac{P(86)}{P(F6)} = \frac{G_{2}}{G_{1}^{2}} e^{-\frac{G}{G_{1}^{2}}}$$

$$\frac{$$

$$\frac{2}{3} - 100(20 - 300) = 20^{2} \ln 4$$

$$\frac{2}{100} = 150 - 0^{2} \ln 4$$

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