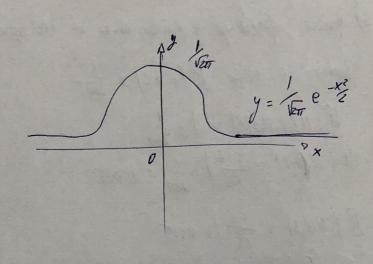
Исра, С, 2)+ N(мг, Сг 1) = N(м, + мг, С, 2 + Сг 2)
мерависими

N(M, G, 2) + C = N(M, + C, G, 2) CN(M, G, 2) = N(CM, C2G, 2)

huangapusho: nopmanno -N(0,1) $\int_{N(0,2)} (t) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}}$ $\int_{2\pi}^{\infty} e^{-\frac{x^2}{2}} dx =: \overline{D}(t)$

439 A ~ N/100, 49/ 6 ~ N/90,25)



Surgnure ouz A u B ca paben poi. Ushpane cryraen. Manhe e beposurocumum rapanoephenhusaron my ga e 285.

Persenne

 $X = \text{supparagray garg}^{n}$ $P(X = 85) = \frac{1}{2} P(A = 85) + \frac{1}{2} P(B = 85)$ $P(A = 85) = P(N(100249) = 85) = \int_{0.249}^{\infty} \frac{1}{16\pi \cdot 49} e^{-\frac{(t-100)^{2}}{2\cdot 49}} dt = \frac{1}{16\pi \cdot 49} e^{-\frac{(t-100)^{2}}{2\cdot 49}} dt$

 $= \Re \left(N(NOD, 49) - 100 \times 85 - 100 \right) = \Re \left(N(D, 49) \times -15 \right) = \Re \left(\frac{N(D, 49)}{7} \times -\frac{15}{7} \times -\frac{15}{7} \right) = \Re \left(\frac{N(D, 49)}{7} \times -\frac{15}{7} \times$

 $|P(b = 85)| = |P(N(9,25) = 85)| = |P(N(9,25) = 285)| = |P(N(9,25) = 90| = |P(N(9,25) = 4)| = 1 - \overline{D}(-4)| = 1 - 0, 1587 = 0,8423$ |P(N(9,1) = -1)|

Dun ha jag /2/0,9838+0,8413)