23127165 - Nguyễn Hải Đăng - 23CLC03 -y2 + 2y-1, vor 1 < y < 2 Fly c) Xac suát cân tim la: P(X 7,0,8 vo X < 1,2)  $P(0,8 \le y \le 1,2) = F(Y=1,2) - F(Y=0,8)$ THUẬN TIẾN

d) gor the bien co tram born while hop 10000 lá mod Blu hier có train boin nhiên hón 15000 lá vivor P(B|A) = P(AB) = P(B) P(A) = P(A) $\frac{1-F(y=1,5)}{1-F(y=1)} = \frac{1/8}{1/2} = \frac{1}{4}$ a) To co:  $\int_{\infty}^{\infty} f(y) dy = 1 \stackrel{(2)}{=} \int_{\infty}^{0} dy + \int_{\infty}^{1} f(y) dy = 1 \stackrel{(2)}{=} \int_{\infty}^{1} f(y) dy = 1 \stackrel{(3)}{=} C = \frac{3}{2}$ 10, with to 12 nor khác b)  $F(y) = \{0, i\sigma ; y < 0\}$   $\{2, y^2 + y \} dy, i\sigma ; 0 \le y \le 1\}$   $\{1, i\sigma ; y > 1\}$  $= \int_{-\frac{1}{2}}^{0} 0, \quad \text{with } y < 0$   $= \int_{-\frac{1}{2}}^{0} y^{3} + \frac{1}{2}y^{2}, \quad \text{with } 0 \le y \le 1$ 1, w 1 \q THUẬN TIẾN





