Sol c.d. of F(n) must be défined over 5 intervals Jor 2 20: F(m) = 50 dt = 0 Jon 0 = x21: F(x) = \(\text{wtdt} = \frac{1}{2} \int \text{tdt} \) $\int_{0}^{\infty} \int_{0}^{\infty} \int_{0$ for 26 n 63: F(m) = [(-4+34) dt + [(-4+34) dt $= \frac{1}{2} \left(-\frac{1}{1} + \frac{1}{3} +$ = u [3+-t] + u [3+-t] + u [3+-t] = n[3-\frac{1}{2}] + u[6-2-3+\frac{1}{2}] + u[3n-\frac{n^2}{2}] コラ [5+32+32-2] = 2(3か-2) for n>3: F(n) = / f(t) dt = 1 [: all probabilities has been accumulated far u beyond! Thus c.dd F(n): { on x L0 for x L1 Jan 1 L n L 2 (= 3n - n=) for 2 ≤ n < 3

1 for n > 3