Approach 1:- Distribution for band approach: Let Fu be the dist of U(x1, ..., Xn). $F_{U}(y) = P[U(x_1,...,x_n) \leq y]$ $= \int \int \cdots \left(\int x_1, \ldots, x_n \left(x_1, \ldots, x_n \right) dx_1 \cdots dx_n \right).$ U(24,722, .., 2n) & y Hence, fy (y) = dy Fo (y). XIII., Xn indep Poisson (Di), i=1,..., n. Example 1:-Wont to know the dist / p.m.f. of Y= \(\frac{1}{2}\) \tilde{\chi}.