Nexavislé n.v. X, y jsoci geom vordélené padle ganemetris p.q. Jalei je vordelen Z=min (x,Y)? · {Z=k} = {x=k, 4>k} v {x>k 1 Y=k} v{x=k} -> Pr[Z=k] = Pr[X=k 14>k] + Pr[X>k14=k] + Pr[X=k14=k]

disjunt him jung = P([x=h] Pr[Y>h] + Pr[x>h] Pr[Y=h] + Pr[x=h] + Pr[X=h]  $= (1-p)^{k-1} p = (1-q)^{j-1} q + \left(\frac{2}{2}(1-p)^{j-1}p\right)(1-q)^{k-1} q + (1-p)^{k-1} p = (1-p)^{k-1} p = (1-p)^{k-1} q + (1-p)^{k-1} q = (1-p)^{k-1} p = (1-p)^{k-1} q + (1-p)^{k-1} q = (1-$ · to se dopointa na (1-r) r pro v = prg-pg (asi)