Lug. & In
$$P(3=\kappa) = P(y=\kappa) = pgk$$
 $p \in [0,1)$ $g = 1 = p$ $k \in [0,1-3]$ (where $y = y = 1$)

 $Z = \max(y,y)$

* We come was come was a commune was:

1) pappagenemento na Z?

2) pappageneures na $\{z, z\}$, use $P(z=\kappa, z=z)$

Reyenne!

$$\frac{\|f\|_{\text{Max}}(z,y)=\kappa}{\|z\|_{\text{Max}}(z,y)=\kappa} = \|f\|_{z=\kappa} = \kappa, y \in \kappa + \|f\|_{z=\kappa} + \|f\|_{z=\kappa} = \kappa, y \in \kappa + \|f\|_{z=\kappa} + \|f\|_{z=\kappa$$

= 2 pg k (pg °+ - + pg k-2) + (pg k)2 = 2pg kp. 1-gk + p2g 2k

In. Aus MIK; Pur =0

Then there $u = \kappa$; $\rho_{\kappa\kappa} = P(z = \kappa, y = \kappa) = pq^{\kappa}(pq^{\kappa} + - - + pq^{\kappa}) =$ $= pq^{\kappa} p \frac{1-q^{\kappa+1}}{1-q} = pq^{\kappa} (1-q^{\kappa+1})$

Men Aus Mck; PKM = IP(3 = M, y = K) = pq m pq k = p2q m+K

Herabucuam me ca z u z?

He ca P(z=2, z=3) = 0 $P(z=2).P(z=3) = (rucno70) pg^3 > 0$