Bagarea 1 a) Plangen reouzhogsegro garenoro name burparcenus no pi (Np. (1-p) N-1) = N(1-p) N-1 - Np(N-1) (1-p) N-2 = N(1-p)N-2 (1-p-p(N-1)) =  $= N(1-p)^{N-2}(1-p-pN+p) = N(1-p)^{N-2}(1-pN)$ Rrepabrille le FOG N(1-p) N-2 (1-pN) =0 1-pN=0 (1-p)N-2=0 pN=1 1-p20 p21 p=1 lake N reinsol Ecen N recembol Maxcuelge & morke 1 geenwaence ambens 1

8) (im N. 1, (1-1,) N-1 (lm (N-1)) N-900 (N-1) N-900 (N-1) N-900 (N-1) N-900 (N-1) Budell, remo Um (1+1,) N=e (zameramenthour nagen) Morga IIm (1-1)N) = = 11m (1/N) =  $= \lim_{N \to \infty} \left( \frac{1}{N+1} \right)^{N} =$ ZIM (N-1) N Z Um (N-1) NZ N-900 (N) Comberns &