1. Thomagecilo, lupamanique (6. K.). repej grace much Kezggueguear

Josegasewold Josegasewold

 $C_n = \frac{n \cdot (n-1) \cdot (n-2) \cdot ... (n-\kappa+1)}{k!}$ 

Domenne ruccusere y pracuesosele he monglegenne l'rucuise  $(n-\kappa)(n-\kappa-1)(n-\kappa-2)\dots \cdot 1 = (n-\kappa)!$ , rava nougrus n! Tourrun

 $C_{n} = \frac{n(n-1)(n-2) \cdot ... \cdot (n-\kappa+1) \left( (h-\kappa)(n-\kappa-1) \cdot ... \cdot 1 \right)}{k! \left[ (n-\kappa)(n-\kappa-1) \cdot ... \cdot 1 \right]} =$ 

 $=\frac{n!}{b!(n-k)!}. \quad \mathcal{V}, m.g.$ 

ocubier npunyun 2. Monegeerlo borramasouje noespoures Trayrounung Traccares 444 Topuyer curieuns

 $C_{n-1}^{k-1} + C_{n-1}^{k} = C_{n}^{k}$  (1.2)

Donaga Tenocolo.

boenougyence gropingers (1.1). Dig goraga misserly

Paccusques mayo rach rougeers (1.2)

$$C_{n-1} + C_{n-1} = \frac{(n-1)!}{(k-1)!(n-1)-(k-1)!} + \frac{(n-1)!}{k!(n-1)-k!} = \frac{(n-1)!}{(k-1)!(n-k-1)!} + \frac{(n-1)!}{(k-1)!(n-k-1)!} + \frac{(n-1)!}{(n-k)!} + \frac{(n-1)!}{(n-k)!} = \frac{(n-1)!}{(k-1)!(n-k)!} + \frac{(n-1)!}{(n-k)!} + \frac{(n-1)!}{(n-k)!} = \frac{n!}{k!(n-k)!} = \frac{(n-1)!}{k!(n-k)!} = \frac{n!}{k!(n-k)!} = \frac{n!$$

no maune tentopu ocyujectus 6 glz npuerera: - currain y novient broque recompre i ornant, 9 3 orece — y octaliuses mosteurol, bridepens pugacianague go k (k-i) ortental Ucuousys nouther pure trailine travelegerens  $C_{n+m} = \sum_{i=0}^{\kappa} C_{n} \cdot C_{m} \quad \forall m.g$ 5. Thongests, hypaniaionne chorsels cumerpen mpeyweener Facuall  $C_n^{R} = C_n^{n-R} \qquad (1.5)$ Dougaseurs

Dougaseurs

Taccurpuy happy rack monugees (1.5) u

brenougyeuer gwynnyear (1.1)  $\binom{n-n(1)}{n-k}$   $\binom{n!}{(n-(n-k))} = \frac{n!}{(n-k)!} \frac{(1.1)}{k!} \binom{n}{n}$   $\binom{n-k}{n-k}$  $6. P_n = n!$ 

7.  $4n^{k} = \frac{n!}{(n-k)!}$