P.1 Zagora nno gebynier u ybennu (5.12)
Del Tunou Horomana
$(x+y)^n = \frac{2}{8} C_n x^k y^{n-k}$
<u>Bagara</u>
Myomb Comb n, odsennob e,
$-17-n_2-17-a_2$
$-11-n_{\kappa}-11-a_{\kappa}$
Myeme beens n=n,+-+nx adsennob.
Exareno p-x, and gume n us a, -ax? (P(n, -nx))
$P(n_1 - n_k) = \frac{1}{n!n_2! - n_k!}$
P( $n_1 - n_K$ ) = $\frac{n!}{n! n_1! - n_K!}$ D-Bo, Eamb n noguyuu
Budenan n, nogumi que a, c'h
Roman ny n-n, budepen na gua en En-n,
umg.
Bumore
$P(n_1 - n_K) = C_n^{n_1} - C_{n-n_1}^{n_2} - C_{n-n_1}^{n_2} - C_{n-n_1}^{n_2}$
$\frac{n!}{n!} \cdot (n-n_1)! = \frac{(n-n_1-\cdots-n_{\kappa-1})!}{n!}$
$= \frac{1}{n!(n-n_1)!} \frac{1}{n_1!(n-n_1-n_2)!} \frac{1}{n_k! \cdot o!}$
n!
$=\frac{n!}{n!! \cdot n_k!}$
Marinamarknar gonal x". x"
1 x + - + Xv 1 = 2 [""
$N - 60$ , $N_1 + - + N_K = N$
(x,+-+ xx) = (x,+-+ xx) == (x,+-+ xx)
11 100000 en in blownsen ogneg ren .
Obgnonun n,- kai- bo chodon iz komorun Green XI
$-11-n_x$
$n_1 + - + n_K = n$
monar xi'- xi c rosgo P(n n n 1 to

Bagara, Cuarruo uneemes enocodob paggame 11 pagning ybemnos, mpen gebyunaa: nanon-mo 5, cemarinum no 3 ybemno

## Blunenue,

 $n_1 = 5$   $n_2 = 3$   $n_3 = 3$ .  $n = n_1 + n_2 + n_3 = 11$ Ombern:  $P(5,3,3) = \frac{11!}{5! \cdot 3! \cdot 3!}$ (Cocmobius 11-mm, Jyabennsse alobe by gebywen fige

Kampoe reemo nog "Lyseby"- ybennon). 13