2.
$$\binom{m}{r}\binom{r}{k} = \binom{m}{r-k}\binom{m-r+k}{k}$$

ant: $\binom{m}{r}$ $\binom{m}{k}$ $\binom{m-r+k}{k}$!

+! (m-r)! k! (r-k)! (r-k)! (m-r)! (m-r)!

 $\frac{\alpha!}{(n-r)!\,k(r-k)!} = \frac{\alpha!}{(r-k)!\,k!\,(m-r)!}$

- og n kyinnug æ dupa r, na æ og winx

- og n kytninga ce dupe I-u kytninga koje cutypno nete dutiu dupane nacnuje i og octivnika Kytninga (M-r+k) a dupen k kytninge

- unio je.

3. tuju ca trep rujuanjara igje ce puxcupajy nonvolen 12, 34, 456, 1234, 3456, 123456...

```
H. 2a_{u+1} + b_{u+1} = a_{u} + 3b_{u} = 2b_{u} = 2b_{u} = 2b_{u} = 2a_{u+1}
a_{u+1} + b_{u+1} = a_{u} + b_{u} = 2a_{u+1} = 2a_{u} = 2
```

muly known or war neverth to