

2 A n s i c h t e n / A n s i c h t e n v o n K u g e l n

$n=3$
 $k=2$

unterscheidbar/
m. R.
- m. W. / m. Z.
(k beliebig)

unterscheidbar/
m. R.
- o. W. / o. Z.
($k \leq n$)

- Wenn $k=n$, dann Permutation

unterscheidbar/
o. R.

- m. W. / m. Z.
(k beliebig)

unterscheidbar/
o. R.

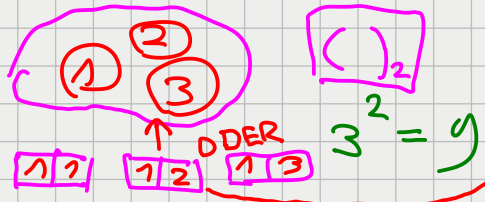
- o. W. / o. Z.
($k \leq n$)

$n=4$
 $k_1=2 \quad k_2=2$

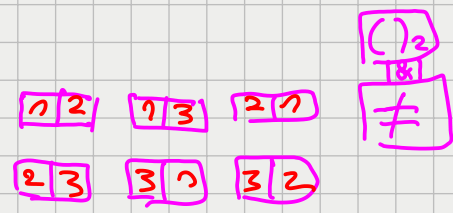
unterscheidbar/
o. R. innerhalb von
aber rot und schwarz
unterscheidbar / m. R.

- o. W. / o. Z.
(aber $k_1+k_2=n$)

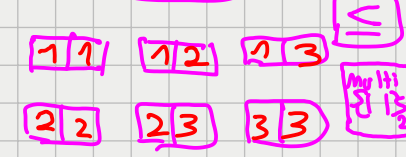
- Reihenfolge betrachtet
Urnen mode II



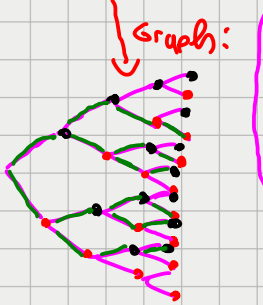
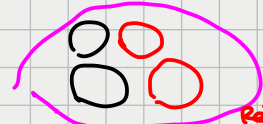
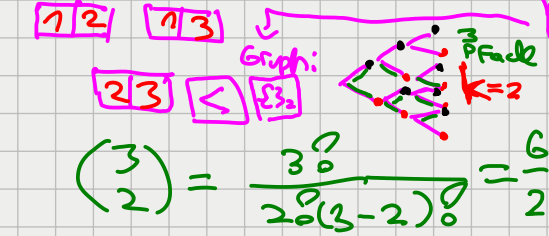
$3^2 = 9$



$\frac{3!}{(3-2)!} = 6$

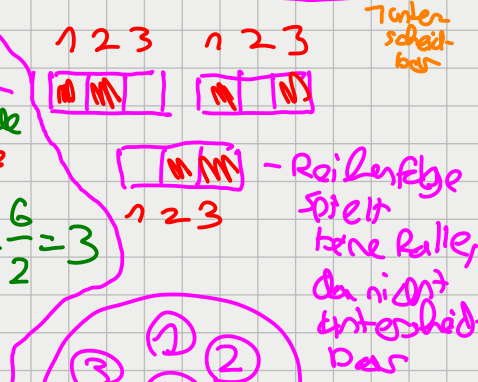
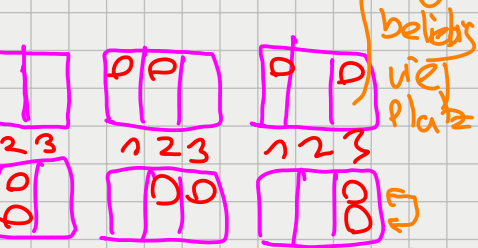
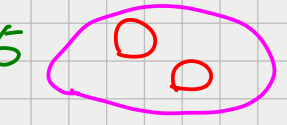
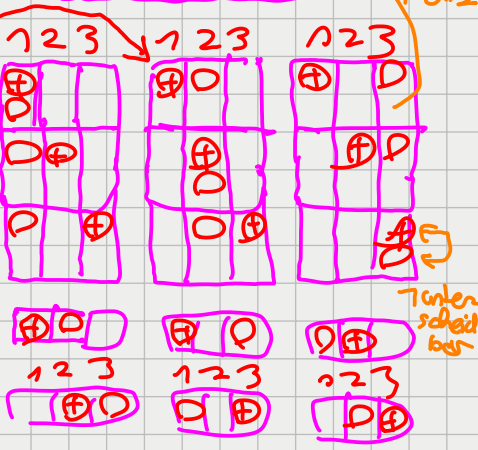
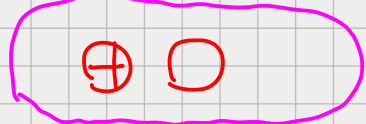


$\frac{(3+2-1)!}{2!(3-1)!} = \frac{4!}{2!2!} = 6$



$\frac{4!}{2!2!} = 6$

- Unterschiedbarkeit betr.
Feicher mode II



$\frac{4!}{2!2!} = 6$

Formel für ununterscheidbare Objekte:
 $n = \text{Gesamt Objekte}$
 $\sigma = \text{unterscheidbare Objekte darunter}$