4B
2N

3B →

1, 2, 3, 4 ordre ← n'est pas important

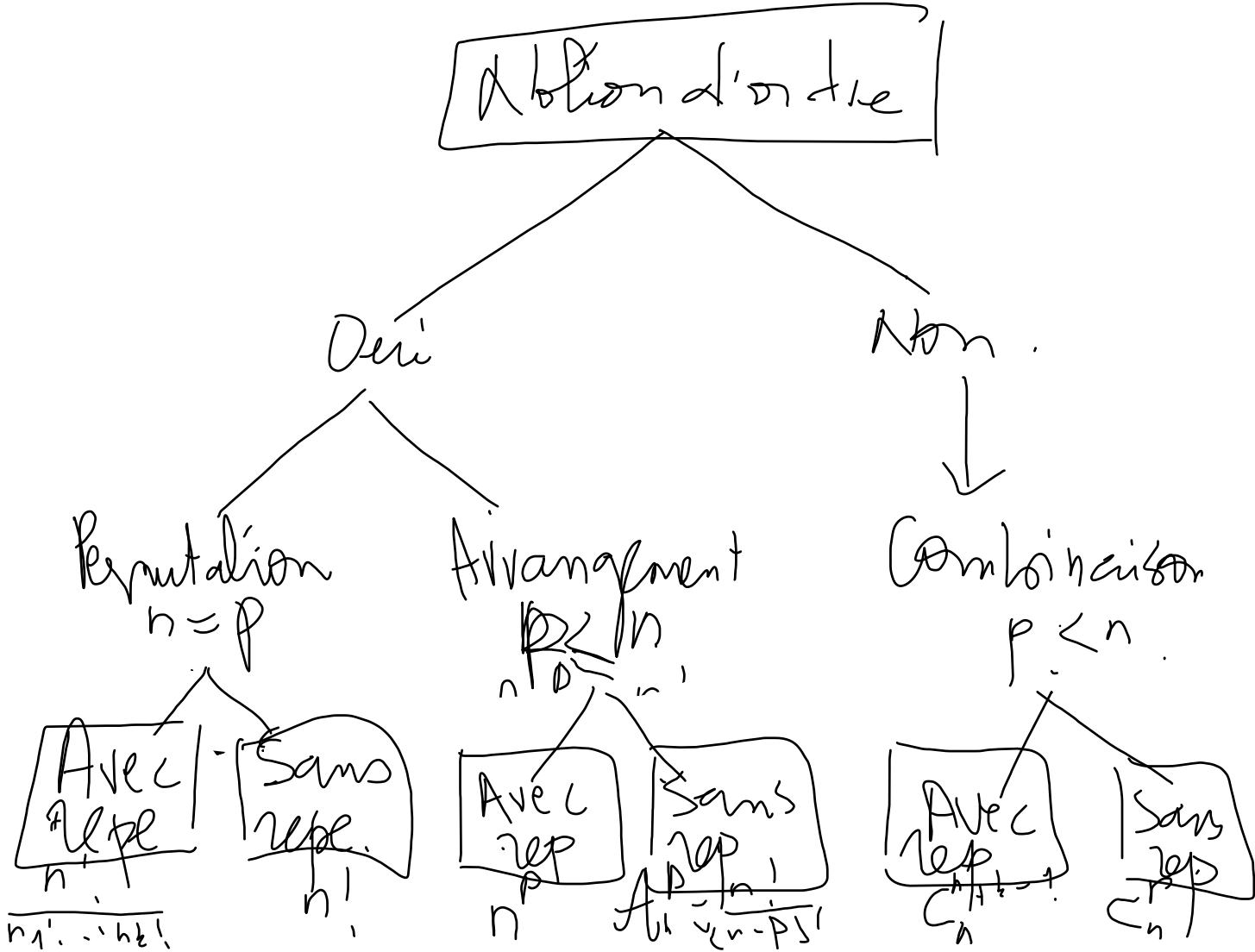
On choisit 4 parmi 4. $n = k = 4$.

permutation.

· Choisir 3 parmi 4. $k = 3$, $n = 4$

arrangement

Ordre. Ordre important.


Notion d'ordre
Oui
Non
Permutation
$n = p$
Arrangement
$p < n$
Combinaison
$p < n$
Avec rep
Sans rep
Avec rep
Sans rep
Avec rep
Sans rep

$F_X(x) \longrightarrow$

$P(X = x_i) =$

k	k_1	k_2	k_3	k_n
$P(X=k)$	.	.	.	

$\sum_{k \in h(n)} P(X = k) = 1$

$x < k_1$.

$F_X(x) = P(X \leq x)$

$= \sum_{x < k_1} P(X = k_i)$

$= 0$

$k_1 \leq x < k_2$ $\quad F_X(x) = \sum_{\leq k} P(Y = k_2) = P(X = k_1) = \cdots$

$k_2 < x < k_3$ $\quad F_X(x) = P(X = k_3) = P(X = k_1) + P(X = k_2)$

$x \geq k_n$. $\quad F_X(x) = \sum_{x < k_{n+1}} P(X = k_{n+1}) = P(X = k_1) \cdots P(X = k_n) = 1$.