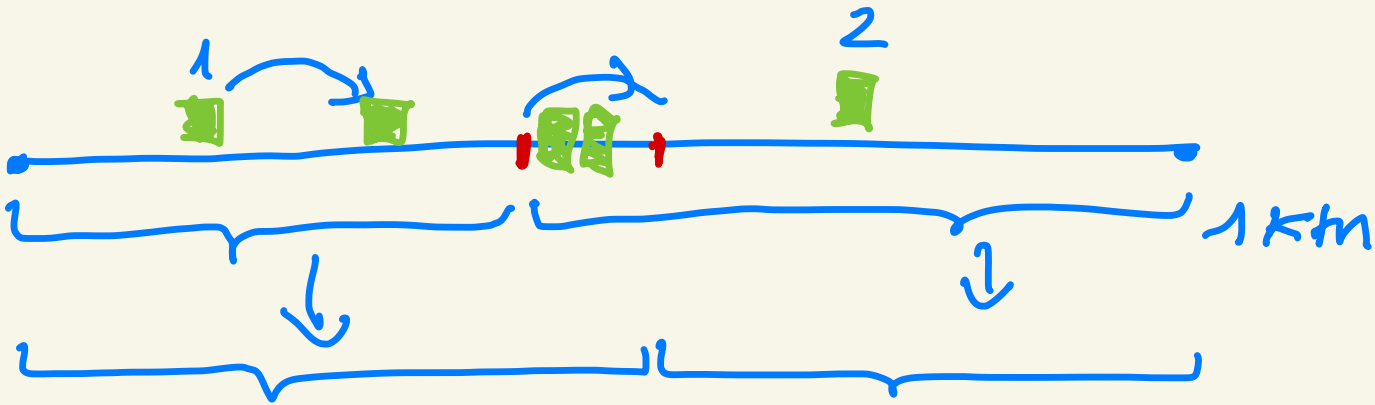
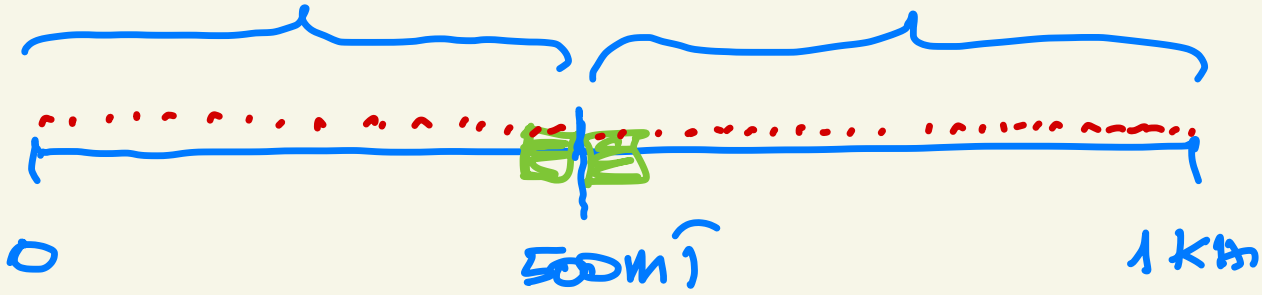
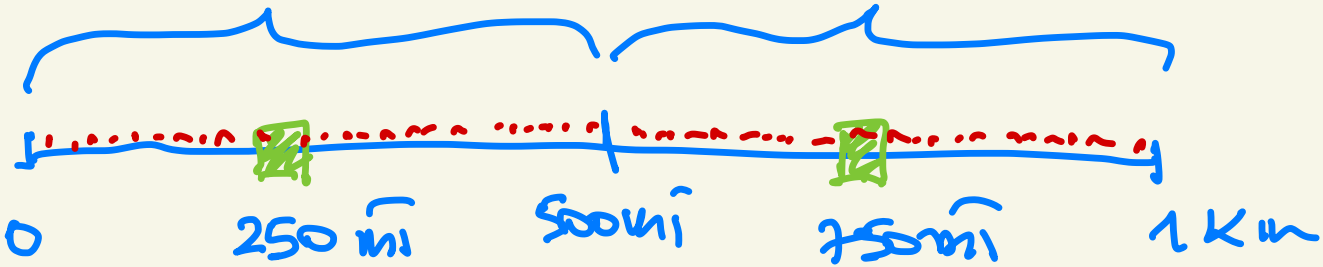

1
2
1 km



250 mL



125 mL

BATTLE OF SEXES

M \ W	FOOTBALL	EXHIBITION
FOOTBALL	2, 1	0, 0
EXHIBITION	0, 0	1, 2

$\{N, \{X_i\}_{i\in N}, \{C_i\}_{i\in N}\}$ $\quad C_i : X_1 \times X_2 \times \dots \times X_n \to \mathbb{R}$

$x \in X_1 \times X_2 \times \dots \times X_n$ STATO

$x = (x_1, x_2, \dots, x_n)$ $\quad \underline{x_i \in X_i}$ $\quad y_i \in X_i$

$x = (x_1, x_2, \dots, x_{i-1}, \underline{x_i}, x_{i+1}, \dots, x_n)$

$x = (x_i, x_{-i})$ $\leftarrow (x_1, x_2, \dots, x_{i-1}, x_{i+1}, \dots x_n)$

$C_i(y_i, x_{-i}) = C_i(x_1, x_2, \dots, x_{i-1}, y_i, x_{i+1} \dots x_n)$

BEST RESPONSE $B_i(x_{-i})$ COSTO

- del giocatore i

$$B_i(x_{-i}) = \left\{ x_i' \in X_i : C_i(x_i', x_{-i}) \leq C_i(x_i, x_{-i}) \quad \forall x_i \in X_i \right\}$$

$x_i \in X_i$ è una

- STRATEGIA DOMINANTE X giocatore i se

$$x_i \in B_i(x_{-i}) \quad \forall \; x_{-i} \in X_{-i}$$

$X_1 \times X_2 \times \dots X_{i-1} \times X_{i+1} \dots X_n$