

Any doubts ??

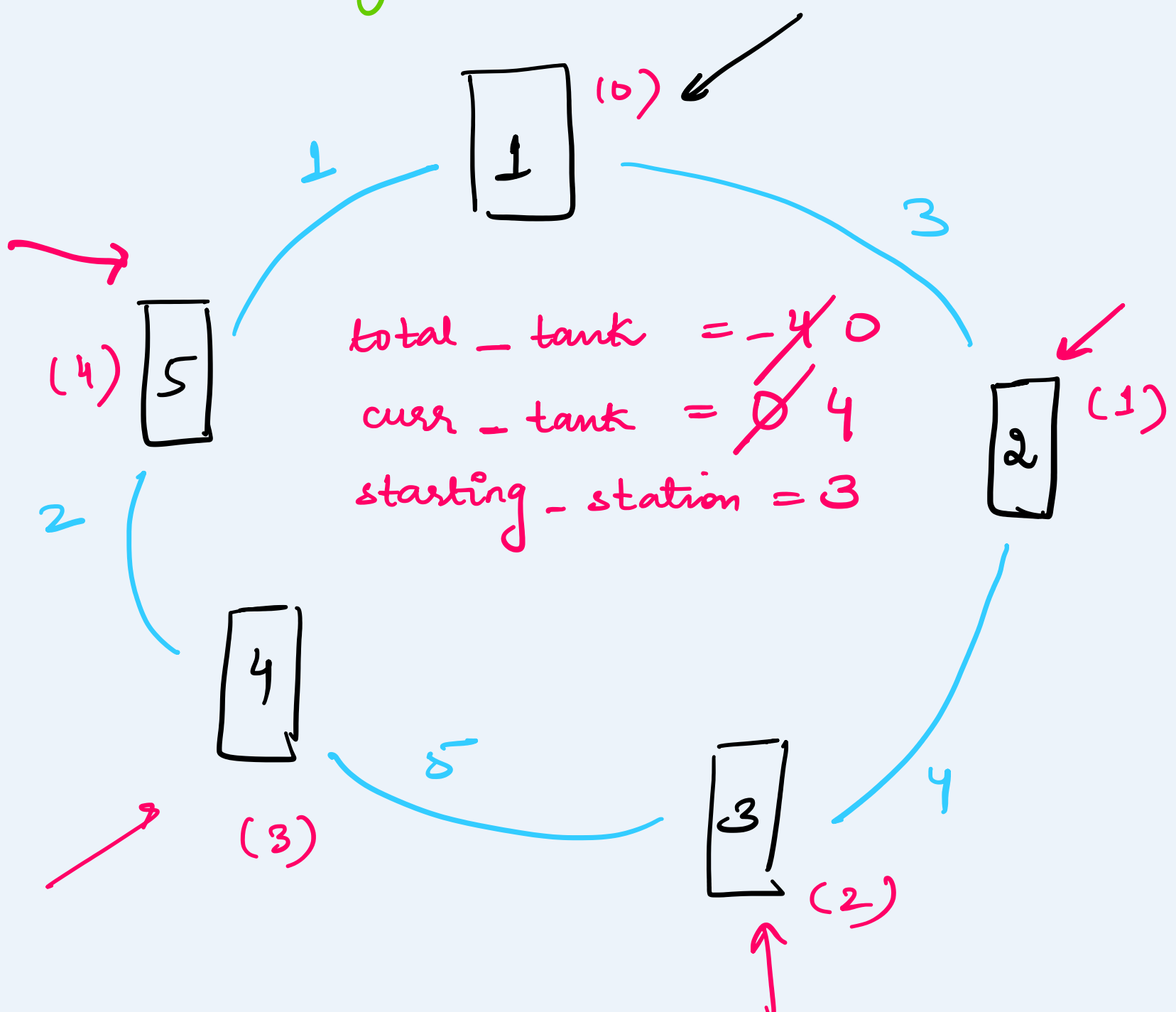
Q Gas station

- ① Choose each and every station
- ② Perform road trip and check how much gas we have in every station.

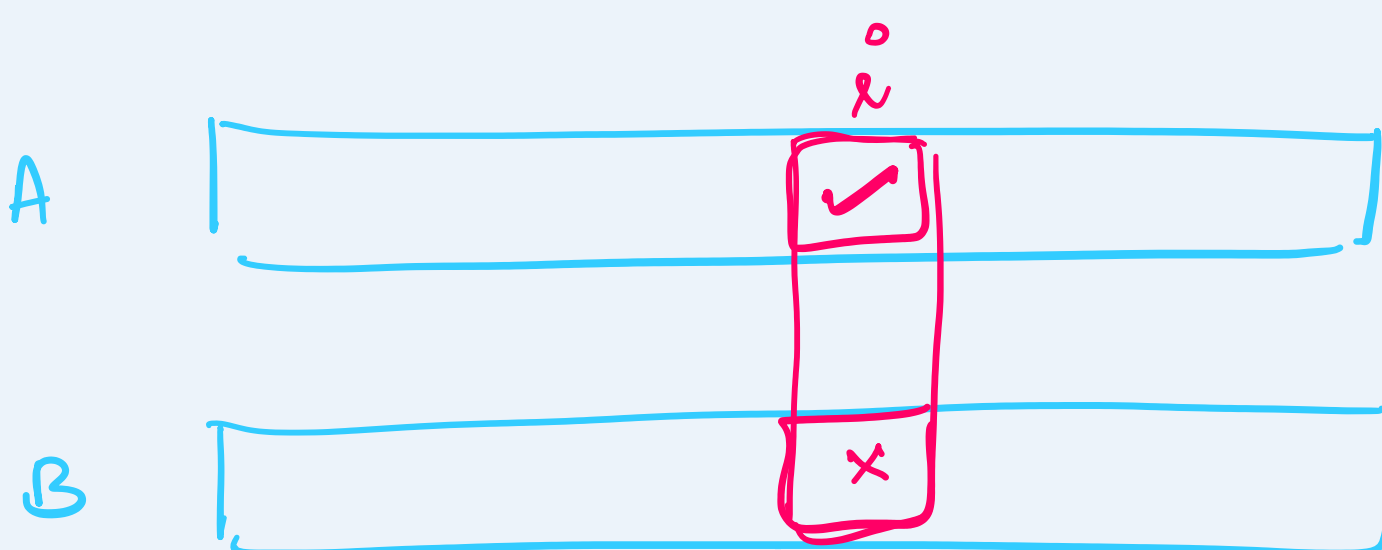
$$\text{① } \text{sum}(\text{gas}) < \text{sum}(\text{cost})$$

$$\text{total_tank} = \text{sum}(\text{gas}) - \text{sum}(\text{cost})$$

- ③ Impossible to start at a station, if $\text{gas}[i] - \text{cost}[i] < 0$



Q The crosses game (codechef)



Once a player receives points for index i , the opposing player can never receive points at the index i of their own array.

optimal move: Always choose the first unused ele having max value for $A_i + B_i$

sort dec order of maximal $(A_i + B_i)$