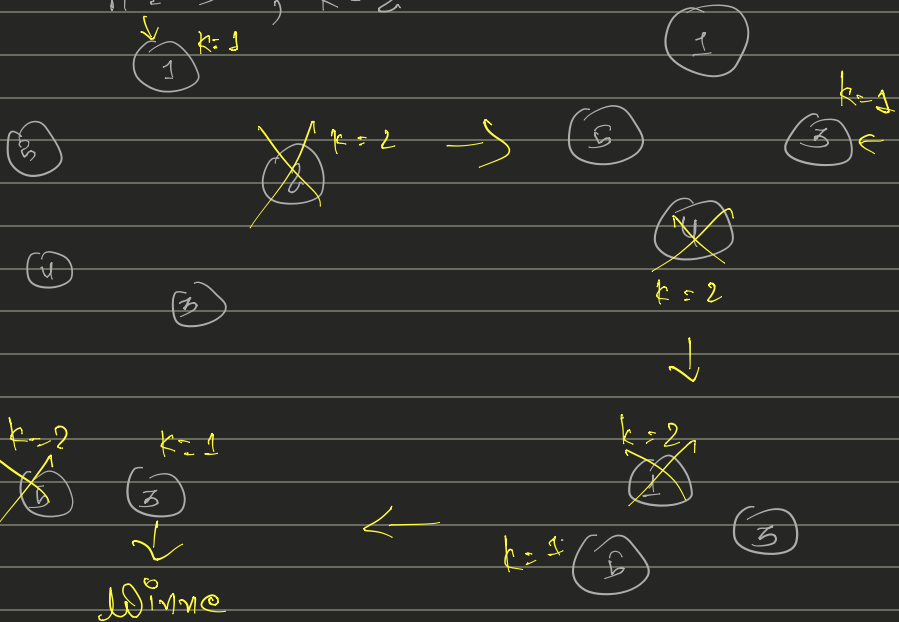


Find the winner of the Circular Game \rightarrow

250

$$n = 5, k = 2$$

$$(N-1) \rightarrow$$

N-5

$$K = 2$$

Q \rightarrow Initial state

④ $\rightarrow k \leq 1 \rightarrow 1 \rightarrow \text{push}$

$$k=2 \rightarrow 2 \rightarrow X$$

② $\rightarrow k=1 \rightarrow 5 \rightarrow \text{push}$
 $k=2 \rightarrow 4 \rightarrow \text{X}$

⑤ \rightarrow $k=1 \Rightarrow 5 \rightarrow \text{push}$
 $k=2 \Rightarrow 4 \rightarrow \text{push}$

push
 \uparrow
 $(9) \rightarrow k=9 \rightarrow 5$
 $k=2 \rightarrow 5 \rightarrow X$

Stop when queue size $(N) = 1$