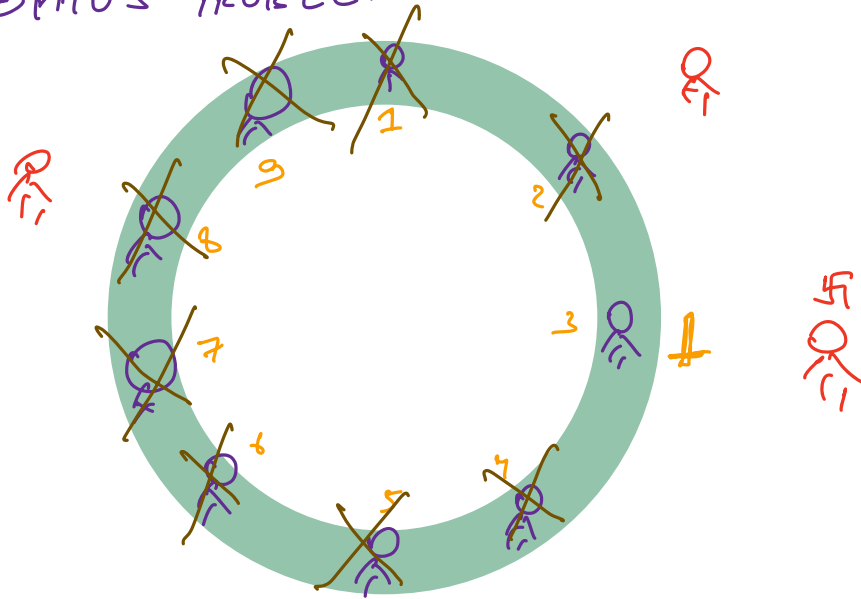


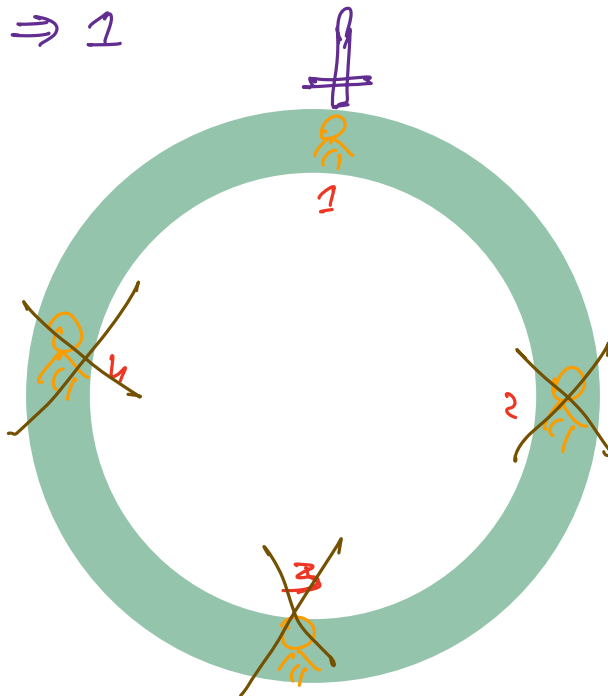
Welcome 😊

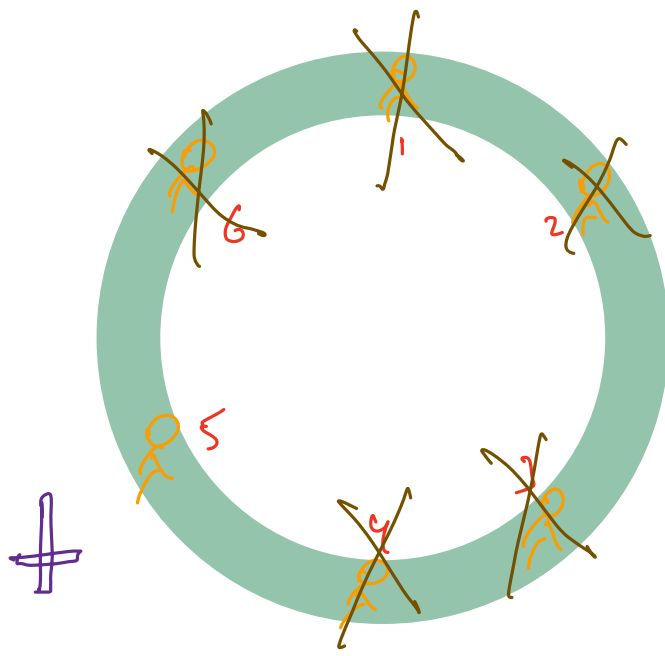
Agenda: Interview problems.
1 problem (array)

① JOSEPHUS PROBLEM



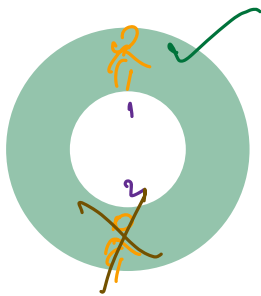
start posⁿ \Rightarrow 1



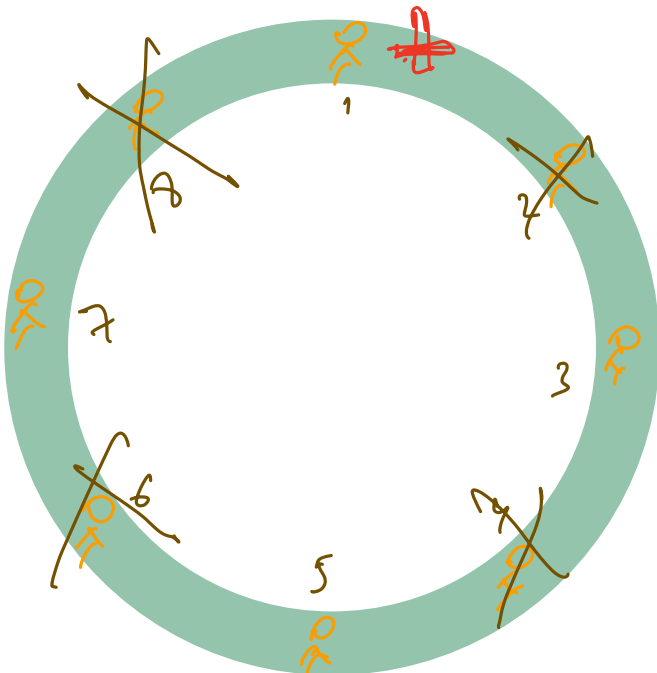


power of 2

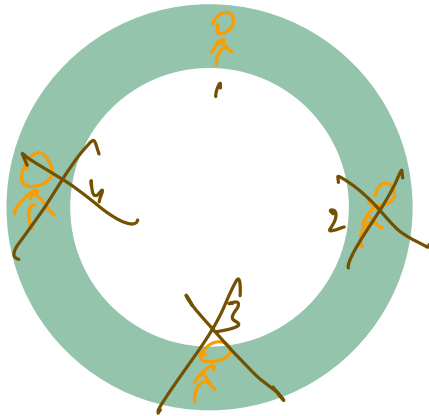
$N=2$



$N=8$

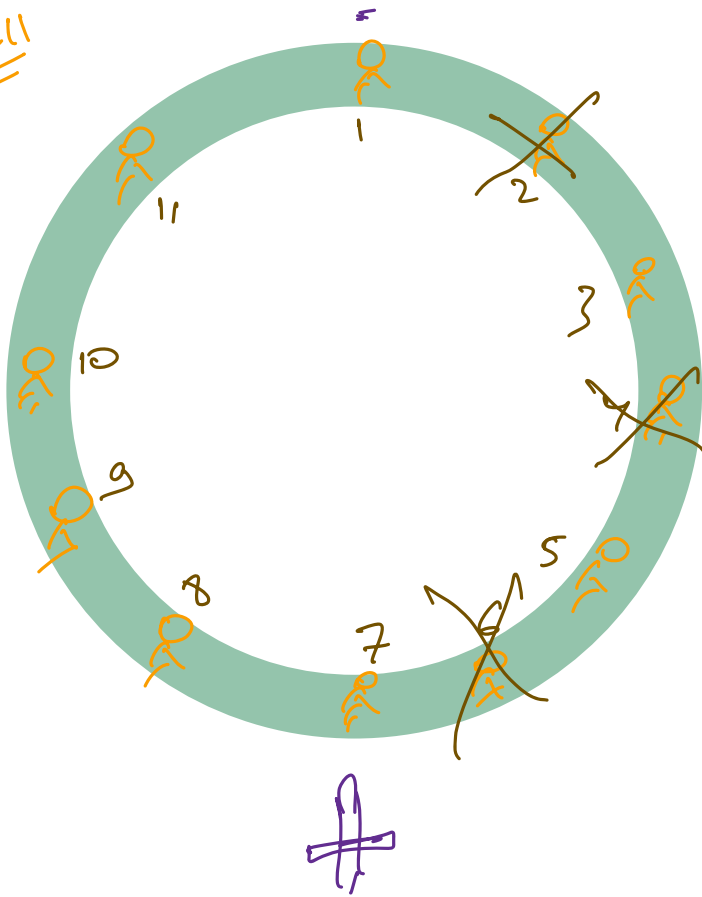


$N=4$



If N is a power of 2 \rightarrow 1 will always win
 \rightarrow person who starts killing will always win

$N=11$



$11 \rightarrow 10 \rightarrow 9 \rightarrow 8$

$$11 - 8 = 3$$

$$3 * 2 + 1$$

$N=100$

Contest \rightarrow Friday 9 pm