

create List seqList of N sequences

S_0

S_1

\vdots

create Integer lastAnswer = 0;

S_{N-1}

Query 1 x y

$\text{seqList.get}((x \oplus \text{lastAnswer}) \% N); \rightarrow .\text{add}(y)$

Query 2 x y

$\text{seqList.get}((x \oplus \text{lastAnswer}) \% N).\underline{\text{size()}} = \text{size}$

$\text{lastAnswer} = \text{element } y \% \text{size in seqList above}$