

$\begin{array}{|c|c|c|c|c|c|} \hline 1 & 2 & 3 & 0 & 0 & 0 \\ \hline \end{array}$
 $\begin{array}{|c|c|c|} \hline 2 & 5 & 6 \\ \hline \end{array}$
 $N = \text{after step}$
 $P_m = 2 \quad P_n = 2 \quad P = 5 \quad (\text{oth len} = 6)$

$\begin{array}{|c|c|c|c|c|c|} \hline 1 & 2 & 3 & 0 & 0 & 6 \\ \hline \end{array}$
 $\begin{array}{|c|c|} \hline 2 & 5 \\ \hline \end{array}$
 $P_m = 2 \quad P_n = 1 \quad P = 4$
 $\begin{array}{|c|c|c|c|c|c|} \hline 1 & 2 & 3 & 0 & 5 & 6 \\ \hline \end{array}$
 $\begin{array}{|c|} \hline 2 \\ \hline \end{array}$
 $P_m = 2 \quad P_n = 0 \quad P = 3$
 $\begin{array}{|c|c|c|c|c|c|} \hline 1 & 2 & 3 & 3 & 5 & 6 \\ \hline \end{array}$
 $\begin{array}{|c|} \hline 2 \\ \hline \end{array}$
 $P_m = 1 \quad P_n = 0 \quad P = 2$
 $\begin{array}{|c|c|c|c|c|c|} \hline 1 & 2 & 2 & 3 & 5 & 6 \\ \hline \end{array}$
 $\begin{array}{|c|} \hline 2 \\ \hline \end{array}$
 $P_m = 0 \quad P_n = 0 \quad P = 1$
 $\begin{array}{|c|c|c|c|c|c|} \hline 1 & 2 & 2 & 3 & 5 & 6 \\ \hline \end{array}$
 empty
 $P_m = 0 \quad P_n = -1 \quad P = 0$
 $\text{Break} \quad n = 0$

$\begin{array}{|c|} \hline 0 \\ \hline \end{array} \quad m = 0 \quad \begin{array}{|c|} \hline 1 \\ \hline \end{array} \quad n = 1 \quad P = 0$

$\left(\begin{array}{l} \text{goes straight to while loop at end} \\ \text{because } P_m < 0 \end{array} \right.$

$0 \quad 1 \quad P_n = 0 \quad P = 0 \quad \text{nums}[2][P_n] = 1$

$\text{nums}[1] = [1]$