

Reveal Cards In Increasing Order

i/p \rightarrow 17 | 18 | 11 | 2 | 3 | 5 | 7 |

o/p \rightarrow 2 | 3 | 5 | 7 | 11 | 18 | 17 |

(M-1) \rightarrow Sorted & then Queue \Rightarrow

(S-1) \rightarrow Sort the Deck

2 | 3 | 5 | 7 | 11 | 18 | 17 |
 $\begin{matrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 \\ \cancel{0} & \cancel{1} & \cancel{2} & \cancel{3} & \cancel{4} & \cancel{5} & \cancel{6} \end{matrix}$
 Queue \rightarrow

17	18	2	3	11	5	7
---------------	---------------	---	---	---------------	--------------	--------------

Ans/arrangement \Rightarrow

2	18	5	11	3	17	7
0	1	2	3	4	5	6

Ans/arrangement \Rightarrow

2	13	3	11	5	17	7
0	1	2	3	4	5	6

(1) \rightarrow Reveal

and $[q.\text{front}()] = \text{deck}[i];$

(2) \rightarrow Go to Bottom
 $q.\text{Push}(q.\text{front}())$

