

Derrick Sattler

Input :- 167, 110, 142, 122, 111, 149, 155, 141, 123, 112, 117, 133

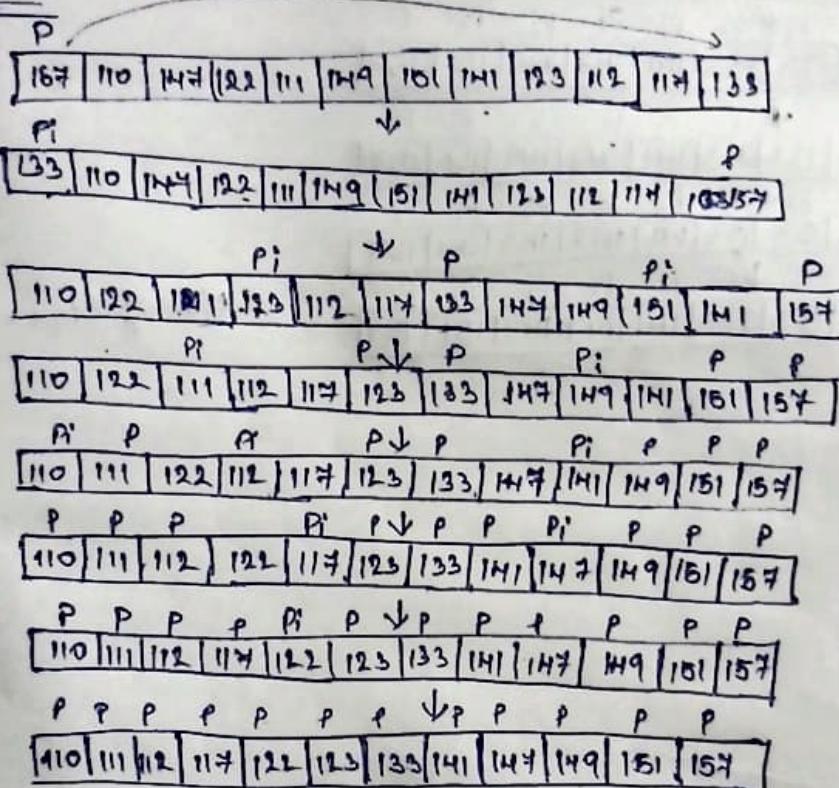
- How many steps does it take to solve based on the token value

Case - 1 :- 154

Case-2:- 135 110

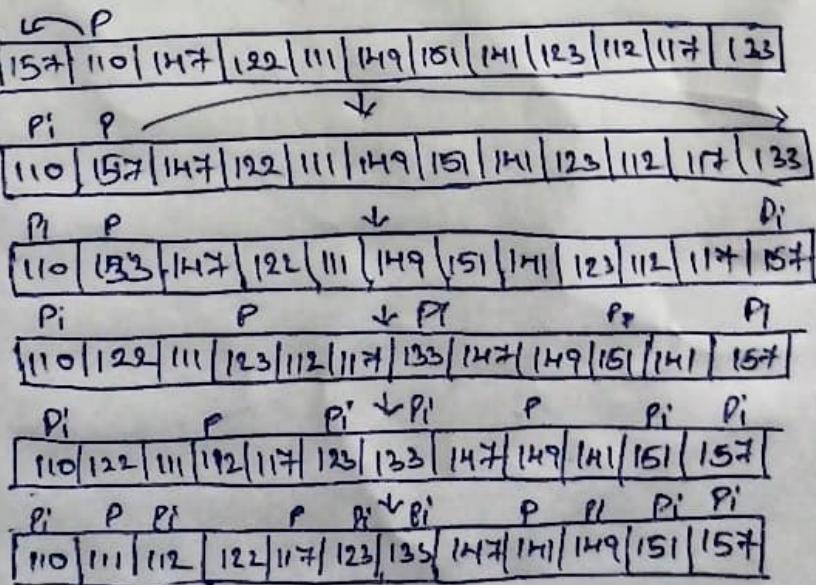
Case-3: INT [I am choosing this number]

Case- 1 :-



$$\therefore \text{No. of Steps} = 7$$

Case - 2 -



P_i	P_i	P_i	P_i	P_i	P	P_i	P_i	P_i	P_i	P_i	P_i
110	111	112	114	122	123	133	141	144	149	151	154
P_i											
110	111	112	114	122	123	133	141	144	149	151	154

\therefore No. of Steps = 7

Case-3:-

P											
157	110	143	122	111	149	151	141	03	112	114	133
P	\downarrow	P_i	P								
110	122	111	123	112	114	133	141	157	147	149	151
P		$P_i \downarrow P$	P_i	P	P_i	P					
110	122	111	112	114	123	133	141	147	149	151	154
P	P_i	P	$P_i \downarrow P$	P_i	P_i	P	P_i	P_i	P_i	P	
110	111	112	112	114	123	133	141	147	149	151	154
P_i	P_i	P_i	P	$P_i \downarrow P_i$	P_i	P	P_i	P_i	P_i	P_i	P_i
110	111	112	114	122	123	133	141	147	149	151	154
P_i	P_i	P_i	P_i	P_i	$P_i \downarrow P_i$	P_i	P_i	P_i	P_i	P_i	P_i
110	111	112	114	122	123	133	141	147	149	151	154
P_i	P_i	P_i	P_i	P_i	P_i	$P_i \downarrow P_i$	P_i	P_i	P_i	P_i	P_i
110	111	112	114	122	123	133	141	147	149	151	154

\therefore No. of Steps = 6