

Maximum points that you can obtain from cards (1423)

★ You can either take all cards from beginning or start, also you can take some cards from start and from end in order of (right to left).  
 But you cannot take cards from the middle.

cards points  $\Rightarrow$   $\begin{matrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 \\ [1, 2, 3, 4, 5, 6, 1] \end{matrix}$   $k=3$

lsum	rsum	Sum $\Rightarrow$ lsum + rsum
$1+2+3 \Rightarrow 6$	0	6
$1+2 \Rightarrow 3$	1	4
1	$1+6 \Rightarrow 7$	8
0	$1+6+5 \Rightarrow 12$	12 $\rightarrow$ maximum

[1, 2, 3, 4, 5, 6, 1]