Remove k-digits

Ex: 1 4 3 2 2 1 9 $k = 3$

1 2 2 9

But => 1 2 1 9

M-1 -> Brute force ->

Find all combinations with 3 characters removed from string

1 4 3 2 2 1 9 $N = 7$

No of ways to choose 3 pos Out of 7

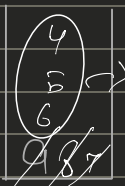
$${}^{7}C_{3} = \frac{7!}{4!3!} = 35$$

Expensive

M-2 ->

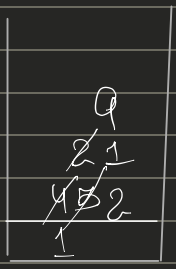
1 2 3 4 5 6 7

9 8 7 6 5 4



st.top() -> digit
pop()

Ex-> 1 4 8 2219



9121 => Reverse

12 19

Ex-> 2561805 , k = 4 3 2 1

501

Reverse

105