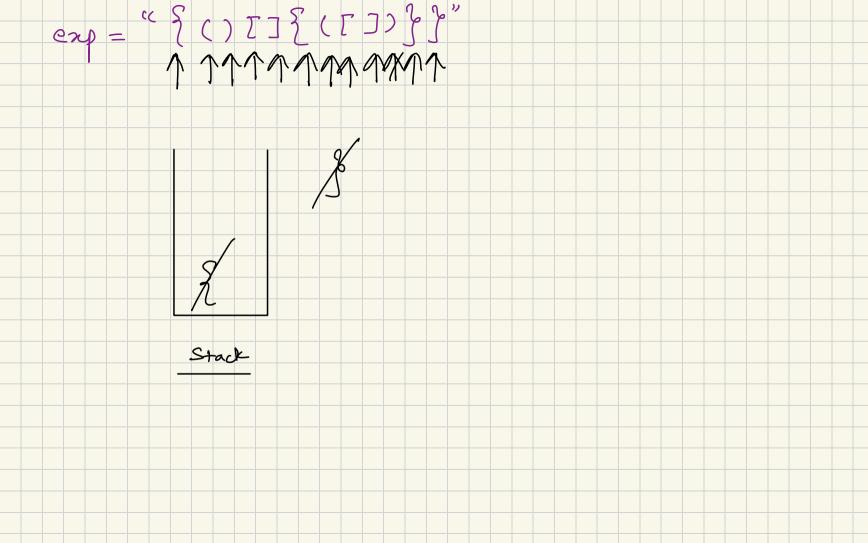


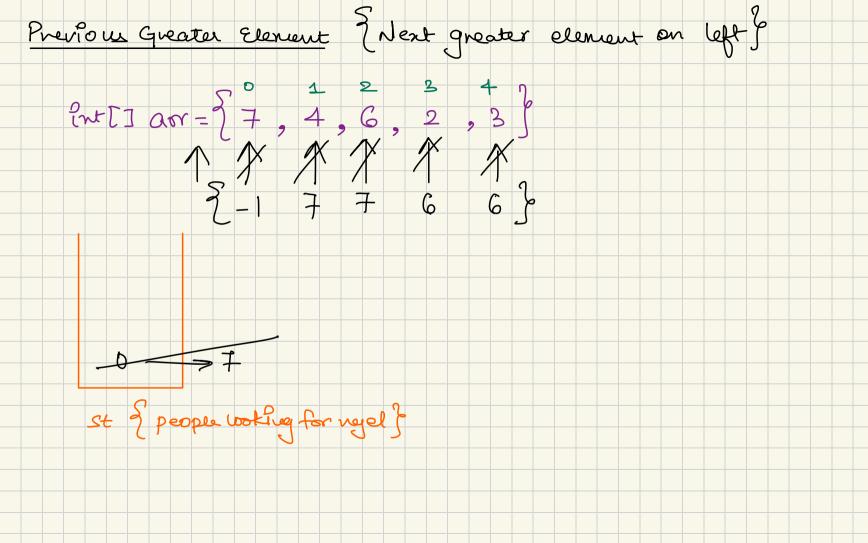
Agenda (i) Solve the 4 vi Problems	
(i) Solve the HW (roblems	
2 Stock span	
3 Largest area lustogram	
4) Celebrity Problem	
3) infix evaluation and conversion	
(5) WHIX Evaluation and conversion	

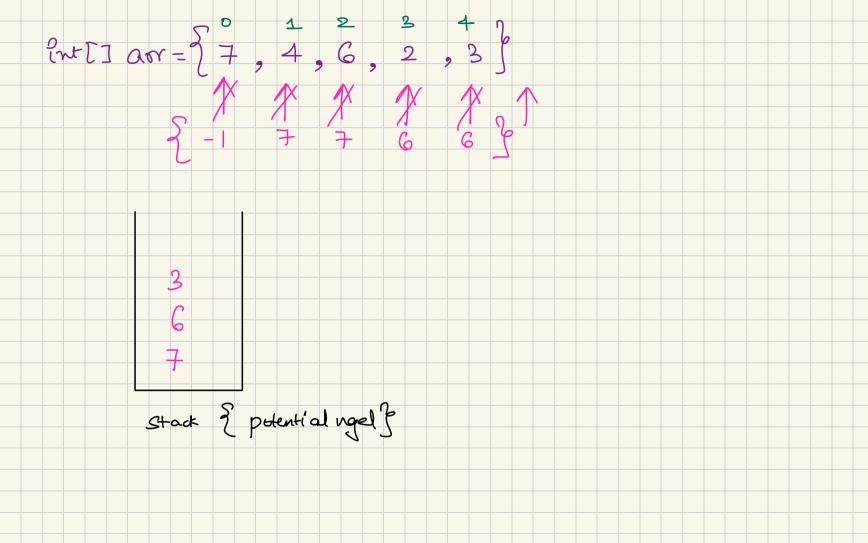
Balanced Brackel-→ '()' '{ } }' '[]' · valid exp each bracket that is opened, should be closed by some type of bracket eg: "(?))" x not vold?

"(?))" \ valid



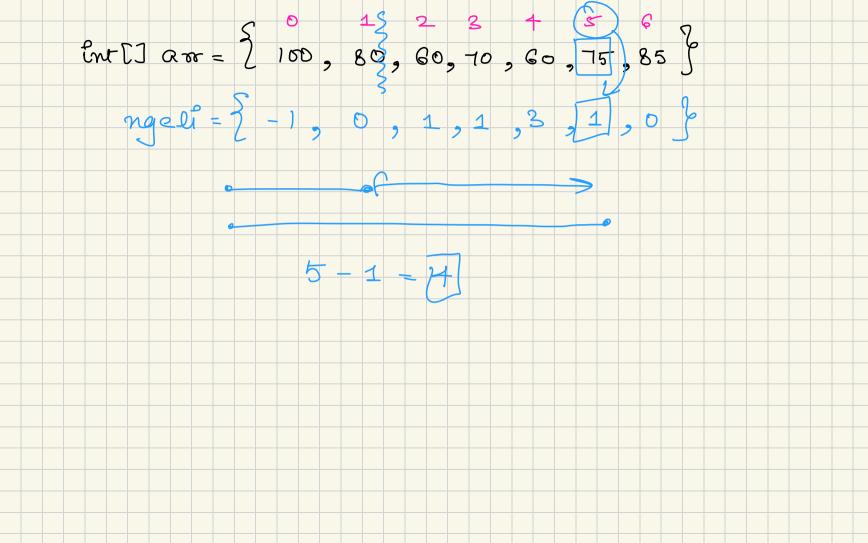
Stack < Character > St = new Stack <> C); TC:OCN) 6 SC!OCN) for (ch char -> str) if (ch = = 'C' or ch = = 'E') St. push (ch); else 9f (st. Size() = = 0) veturn false; else if (ch = - ')' and st, part = '(') else ?f (ch = = 13') and st. poek() = = 17') else Pf (ch = = 1] and st, peek() = = 1[) St. babcs, elle veturn fall? of (st.sizec) ! = 0) return falle! return tove





next greater element on riqui Ent[] ar = dec. Stack & people looking for uger ?

Stock Span Problem Ent [] $a_{50} = \begin{cases} 100, 80, 60, 70, 60, 75, 85 \end{cases}$ Span: no, af conse cutive days Enc. today, volume stock price coas less than equal to foday. Brute force TC/OCN2) & Mested loop



largest area histogram o find rectange in this histogram with ?nt[] ar = { 4, 3, 4, 2, 1, 5} 434215 Tc:0CN2) & Sc:0C1) } man Area = 0; Boute Force for (for i = 0; i < n; i+2) ? Put mult= arr[i]; for Cinti= (+1; j<n, j+e) } marches = max (maxarea, min H * (j-i+1));

