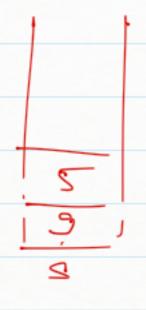
- 1) Stack
- 2) for next greater on the right -> start from right.

  "I " left -> start from left.

Next Greater element on the right.

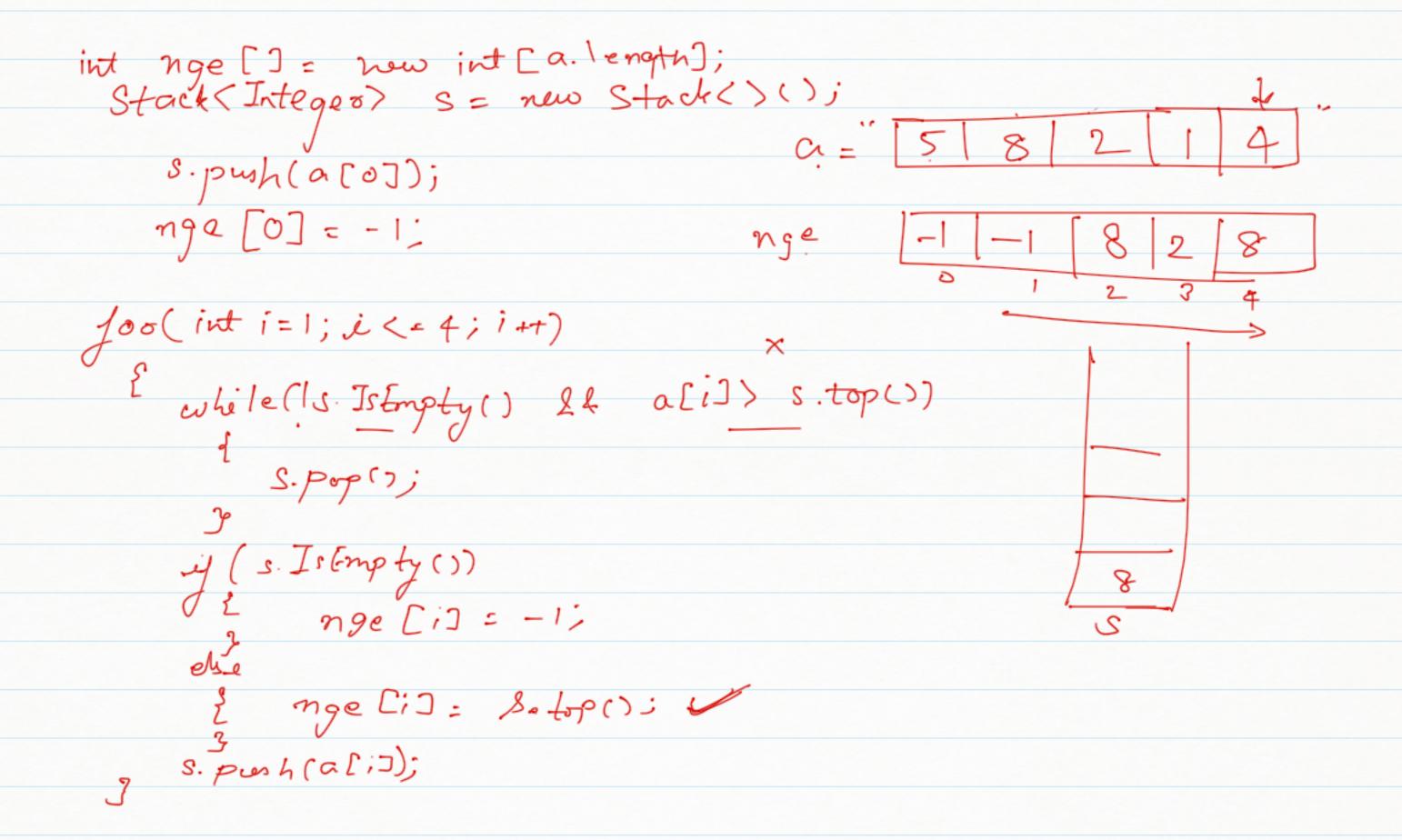


 $a \rightarrow \boxed{5^{\circ}/2/9/3}$ nge - 19/9/-//7/ VS. push (a[a.length -1]).

nge[a.length -1] = -1; for ( i= a length -2; i>=0; i--) while (75. Istmpty() et s. top( 9[,7) if s. pop();

if s. Is Empty()) i nge[i]=-1;}

else s nge[i]= 8. top(); } spush(alin);



Stock Spom int a[]= {5, 3, 4, 8, 4, 6, 7}; int () span = new int [a.length]; Stack(Integer) s = new Stack(>(); S. push (0): V foo(int i=1; i<=6; i++) whele (13.7s Empty () el ic span. length; i++) J s. pash (i);

largest redampt Grinen a histogram, find the area Int a [] = {2,6,5,4,5,13, 26[] = new int (a length); int eb[] = new int [a.[ength]; Stack (Integer) 5 = new Stack ()(); 2 Jany (a) 16(0J=-1 100 (int i=1; 2(=5; 1+4) suhile (1s. Is Empty) 22 a[i] (assitop()) 1 < 9 [0] 8. papes; J. ( s. Istorpty()) 16 [i] = -1; ehe 5 2 15[:] = s.top(); 3 posh (1);