Lineal DS Continued! Suppose > MAX-SIZE = 100 \_ast In First Out -1 (Representation using an Array) (00P) avoltob vene Data Stoneture: > (BFS | Level Order) S/= e Using array: S/= e front, real, enquene, dequeue, sizempty, islampty, Addition of elements
(m-1) Addition of elements
(m-1) of ments real ++ Generate Binary 1 to N: > (n=5) a(i] +'0' Tritial Queue: > ["1"] (n=5) Step 1: Pob (1) Print -> Push "10", "11" -> Q("10","17" Step 2: Pob (10) Print -> Parh "100", "101" -> Q["1" 100", "101" -> Q["1" 100", "100"] step 3 : Pob" 11" Print -) Push "110", "11" -) (101" Step 4: Pob" 100" Point -) Push 1000, 1001 "110", 111"] Neat Greater Element: > (Stack)  $[nput \rightarrow [4,5,2,25] i=3-25 res[3]=-1$ 2S < = 2 200(2) = (25)4 -> 3 5 -> 25 1-5-5 2/=5 7 2>3 2 -> 25 25 -1 25 25 70 [-1 70-1 -1] [p: [4,5,2,25] [-1]Processing the elements right to left using stack i=3-) 25: Stack Empty -> reo [3]=(-1)-> Push 25 i=2-) 2: Stack top 25>2 -> reo [2]=(25)-> Push 2 1-1-5:2<5->P&p2,2<75 reo[1]=(25)-Push5 1=0-) 4: 5>4-> 800(0] - (5) puch 4 Standard Template Library: > Haoh Table \* stack -> LIFO

\* quene -> FIFO

\* list forward-list roll

\* set ordered-set -> Alphabetical Order

\* map ordered-map -> Alphabetical Order

\* map ordered-map -> Alphabetical Order

\* vector -> dynamic array | Hashing Order Java

b p (a) vg a 3) ug s