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| --- |
| TAD PriorityQueue<T> |
| TAD PriorityQueue<T> = (Node<T>n, Node<T>n-1, Node<T>n-2, ..., Node<T>1), n >= 0 , Node<T>n = Front, Node<T>1 = Rear, Node<T>1. PriorityValue > Node<T>n.PriorityValue , Node<T>n.PriorityValue < Node<T>n+1.PriorityValue < Node<T>n+2.PriorityValue …. Node<T>1.PriorityValue. |
| {Inv.: - ∀x, x ∈ Stack, x ≠ NULL   * the elements are ordered in a last-in, first-out (LIFO) fashion, Stack = (E1, E2, E3, ..., Ex), EX = Added element. Removed Element = E1}. |
| Primitive Operations:   * PushStack: Element x Stack → Stack (Modifier). * PopStack: Stack → Element (Modifier). * TopStack: Stack → Element (Observer). * IsEmptyStack: Stack → Boolean (Observer). * SizeStack: Stack → Integer (Observer). |