Question 1: push(8) =, 8, push(2) 7 8, popl) 8, push(popl) 2) 7 16, push(10) 4, 16, push(popl) 2) 7 16 Question 2" push(4)74, push(pop(1+4)78, push(8)78) push(psp ()(2) 4, psp()78, psp()7 emply Stock Question 3: Algorithm 1. Check it deque is empty: -if empty return -1, to show element is not found 2. Initialize two pointers: - One at position 0, and one at position n-1 3, Find the closer direction: - Compare the distances from the element y in both directions - If y is in the front half, search the front -it y is in the backhalf, search the back 4. Search in the chosen direction - It searching from the front, traverse through front to back, thing of then return its inter - from the back, trone is back to front, find y then retoun its index. 5, Return the Osition; - Beturn the index of y from where it was found