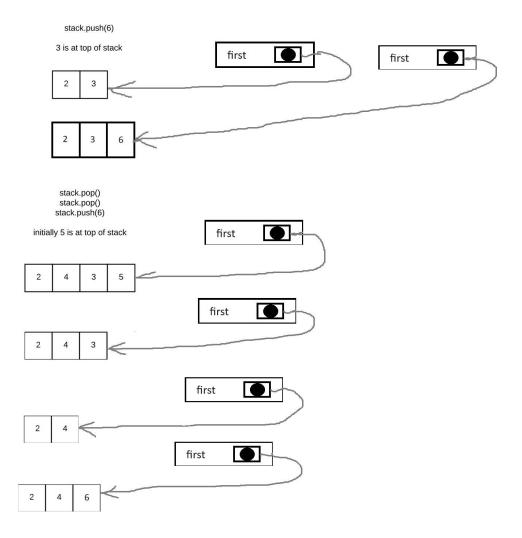
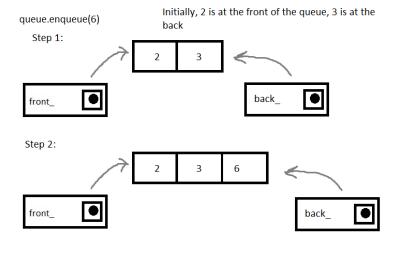


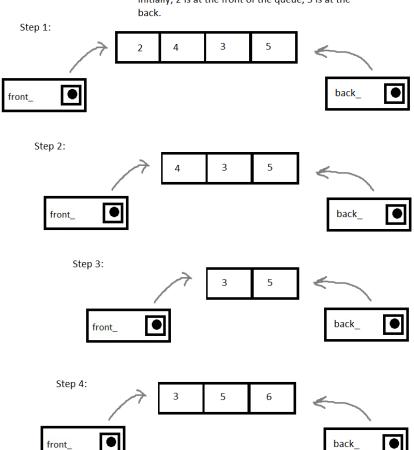
Stack: In the diagrams below list what data members you need to track and what their values are in its initial state and their state after each of the operations are applied to the diagram. If the array needs to be resized, draw the new array with the correct capacity



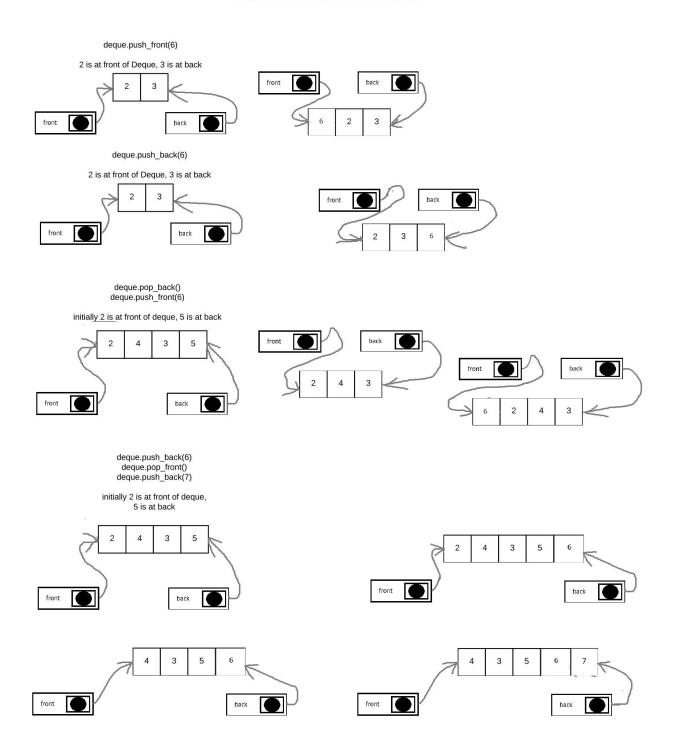


queue.dequeue() queue.dequeue() queue.enqueue(6)

Initially, 2 is at the front of the queue, 5 is at the



Deques: In the diagrams below list what data members you need to track and what their values are in its initial state and their state after each of the operations are applied to the diagram. If the array needs to be resized, draw the new array with the correct capacity



overflow(grid,the\_queue) - apply the overflow function to the gride below and show all the grids the function would add to the queue. Number the grid in the order they are added to the queue. Also state the return value. Note that some grids may remain empty

2 0 3 2 0 0 0 -3 0 0 0 0 1 0 0 return ([0,0] = -2; [0,2] = -3; [0,3] = -3)	0 3 1 1 1 -3 0 -4 -3 0 0 0 0 0 0 0 0 1 0 0 return ([0,1] = -3; [1,1] = -3; [1,2] = -4)
2	U