## **Problems:** 1 (text) Stacking [10 points] Given an empty stack, what will be the contents of the stack after the following operations? (Hint: When you have a method inside another method call (e.g., this(that()), that() will be executed first, afterwards this() will be executed) • push(8) • push(2) • pop() • push(pop()\*2)• push(10) • push(pop()/2)(F) Push (8) Stack Push (2) (2) (3) Stack Pop() Push (pop() #2 Stack (4) Stack Push (10) $(\bigcirc)$ Stack Push ( pop ()/2 Stack 2 (text) Queueing [10 points] Given an empty queue, what will be the contents of the stack after the following operations? (Hint: When you have a method inside another method call (e.g., this(that()), that() will be executed first, afterwards this() will be executed) • push(4) • push(pop()+4)• push(8) • push(pop()/2) • pop() • pop() Push(4) Queve Push (Pop ()+4) Push (8) Quene Quene (5) (D) Push (pop()/2) Quem 6 (Q)Pop() Queue (4)