1. Consider a disk queue holding requests to following cylinders in the listed order:

   116, 22, 3, 11, 75, 185, 100, 87.   For each of following scheduling algorithms

   (a~d), what is the order (selecting from A to D) that the requests are serviced,

   assuming the disk head is at cylinder **88** and moving **upward** through the cylinders?

   A: 116, 22, 3, 11, 75, 185, 100, 87

   B: 100, 116, 185, 87, 75, 22, 11, 3

   C: 87, 75, 100, 116, 185, 22, 11, 3

   D: 100, 116, 185, 3, 11, 22, 75, 87

a) **SCAN**

b) **FCFS**

c) **SSTF**

d) **C-SCAN**

Ans: B A C D