1/12/2/ Clase Ashignment - 2 Submitted by: 9919103060 = 12 ms Average Sock time = 7200 RPM Rotation Rate Terseifer Rake = 150 MB/A Sector Size = 512 lu Controller overhead = 2ms = 512 lytes Average Disk access time for Sector Avg Seek + org root delay + transfer time + 12 me + 0.5 + 5/2/1024 + 2 ms 7200/60 150 $\frac{12 + \frac{60^{36}}{240} \times 2}{240} \times 2 \times 300$ 240 300 14+0.0041+0.0033 14.0074 ms

12 Avan is at cylinder 20, so the service order = 18, 25, 35, 39, 8, 5, 3 Seek time = (20-18) + (25-18) + (35-25) + (39-35) + (39-8) + (8-5) +(5-3) = 2+7+10+4+31+3+2=59 Total Seelatime = 59*5 = 295 m sec 13 Total tracks = 100 Sequence = 45,20,90,10,50,60,80,25,70 Initial position of R/W head is on \$50 D'istance Travelled Next Served 60 70 10 80 90 65 25 20 10 10 130 Total distance

If simple 1 can is used Distance Next served Total distance = Loss distance travelled in SSTF = 130-140 = 10