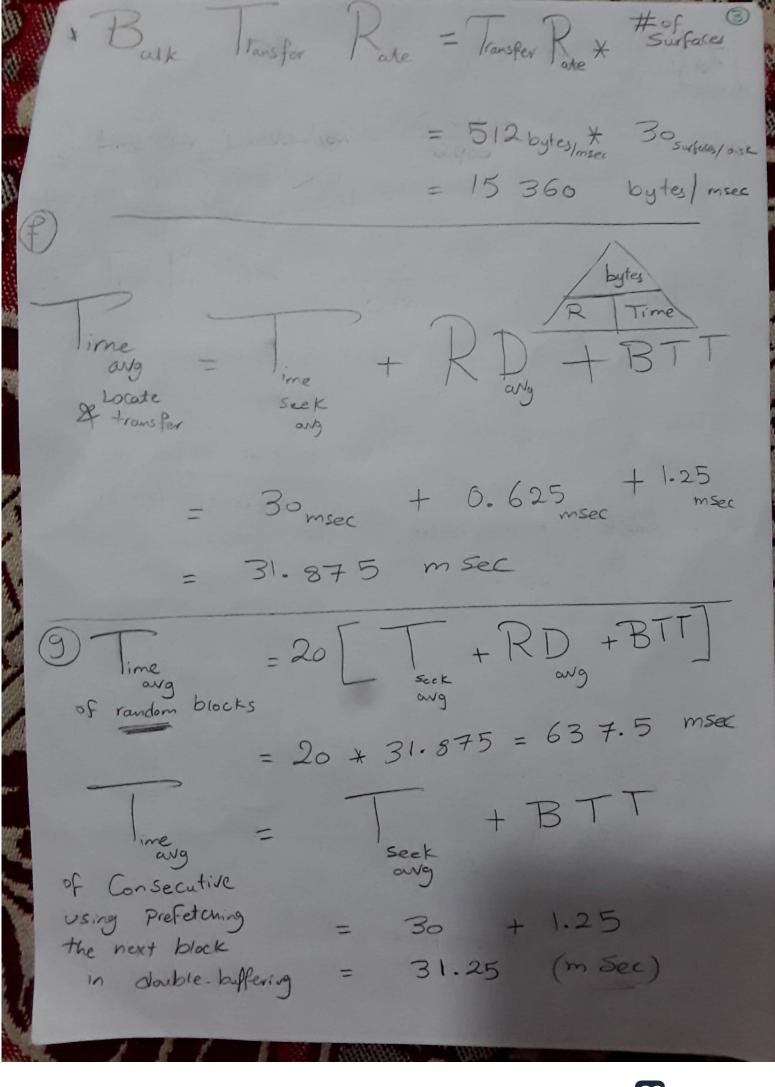
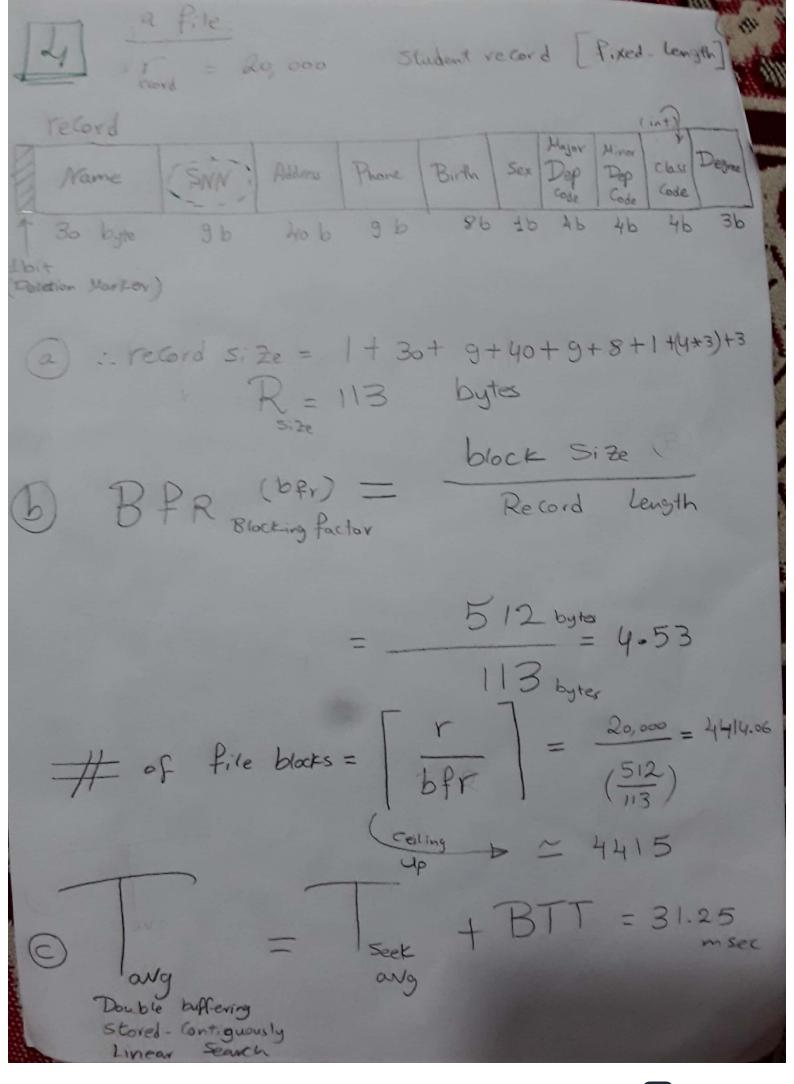


(b) * 400 Cylinders (x tot capacity of acylinder = 30 * 12900 = 384000 Useful " = 30 × 10 240 = 307200 bytes 11 disk pack = 400 x 384000= bytes Useful " " = 400 x 307200 = bytes 122 88 0000 rotation speed = 2400 rpm (e) tot cap. of a track * rotation speed (rpm) * transfer rate = 60 × 1000 msec = 12800 bytes x 2400 rpm 60 × 1000 512 bytes/ msec = Time Per Per revolution # Blocks Per track 60 × 1000 / 2400 rpm = 1.25 m sec $\frac{20 \text{ blocks}}{=} \frac{\text{BTT}}{2} = 0.625 \text{ msec}$ * Rotational Delay (avg) =





31.25 + 0.625 hinear Searching 31. 875 (# of files Blocks) Binary = 13 * 31.25 msec = 409.63 msec ~ 0.45ec