6. On a specific architecture, each physical memory access time costs 20 ns. Suppose a TLB access requires 3 ns and has a miss rate of 0.03. If the MMU is capable of accessing a 3-level page table with negligible overhead other than the memory access times, what is the effective access time? Show your steps.

TLB=3/8/1/-3.

MA = 2015

Miss=.03

ProjetableWalk = Munlevels · Ma = 3620 = 60

Plug in