Quiz 04

Time allowed: 12 minutes

Write down : quiz #, roll #, date. And section

In a system it takes 300 microseconds to access memory and 10 nano seconds for associate memory access. If you have an 85% probability of TLB hit ratio, calculate the effective access time.

Solution:

(1-p)(10 nano + 300 micro) + (p)(10 nano + 600 micro) = x

0.85*(10 NANO + 300 MICRO) + 0.15(10 NANO + 600 MICRO)