HIBA ZUBAIR

SECTION F

18K-1361

DUE DATE: 15th Dec 2020

18K-1361

ACTIVITY 3

Level = 1

TLB Time = 10 ns

Memory = 200 ns

$\alpha = 0.85$

$$\text{EAT} = \alpha \times (TLB + memory) + (1 - \alpha)\left[TLB + ((level + 1) \times mem\ time)\right]$$

$= 0.85 \times (10 + 200) + 0.15\left\{10 + \{(1 + 1) \times 200\right\}$

$= 0.85 \times (210) + 0.15(410)$

$= 178.5 + 61.5$

$= 240\ ns = 240 \times 10^{-6}\ msec$