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Virtual Memory II CS411

$$EAT = T_m + (P_{miss} T_o + (1 - P_{miss}) \cdot 0)$$

$$T_m = 100 \text{ ns}$$

$$T_o = 20 \text{ ms}$$

For an EAT of 200 ns,
what is the upper bound on P_{miss} ?

Principle of Locality

temporal locality

spatial locality

Thrashing

determining + maintaining

process working sets

(2)

Page Replacement Policies

- Optimal

- FIFO - Belady's anomaly

- LRU

- ~~clock~~ approximations

clock algorithm
w/ reference bits.