Page fault occurs 200 memory access. Each takes 100ns. Page fault: 10ms

**EMAT** = (Memory access time × Number of access + Page fault × number of page fault) / total access number

Since page fault occurs every 200 accesses, we have 200 main memory and 1 page fault with combination of 201 accesses.

EMAT = (200 x 100nsec + 1 x 10.000.000nsec) / 201

EMAT = (20000 + 10.000.000nsec) / 201

EMAT = (20microsec + 10.000microsec) / 201 = 10.020 / 201 microseconds