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RGPV 2020 Solution: Given, Cache access time = 100ns Memory access time = 1000ns Hit ratio = 0.9Average access time = Hit ratio x Cache access time + (1 - Hit ratio) x Main memory access time Using above formula: Average access time = $0.9 \times 100ns + (1 - 0.9) \times 1000ns = 190ns$

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