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Memory System Performance  
 $H = \text{Cache Hit Rate}$ : The Percentage Of Cache Hits  
 $T_{\text{Cache}} = \text{Cache Access Time}$ ,  $T_{\text{Main}} = \text{Main Memory Access Time}$ . Average Memory Access Time:  $T_{\text{Av}} = H t_{\text{Cache}} + (1-H) t_{\text{Main}}$   
Example:  $T_{\text{Cache}} = 10\text{ns}$ ,  $T_{\text{Main}} = 100\text{ns}$  Jan 20th, 2024.

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