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какие функции выполняет кэш?

какие функции выполняет кэш?

Кэш — это промежуточный буфер между процессором и оперативной памятью. Он ускоряет доступ к часто используемым данным, снижая нагрузку на основную память и процессор. Кэш имеет собственную память, которая хранит копии данных из основной памяти. Когда процессор запрашивает данные, кэш проверяет, есть ли они в своей памяти. Если да, он возвращает данные сразу. Если нет, он обращается к основной памяти, загружает данные и сохраняет их в кэше для следующего запроса.

какие функции выполняет кэш?