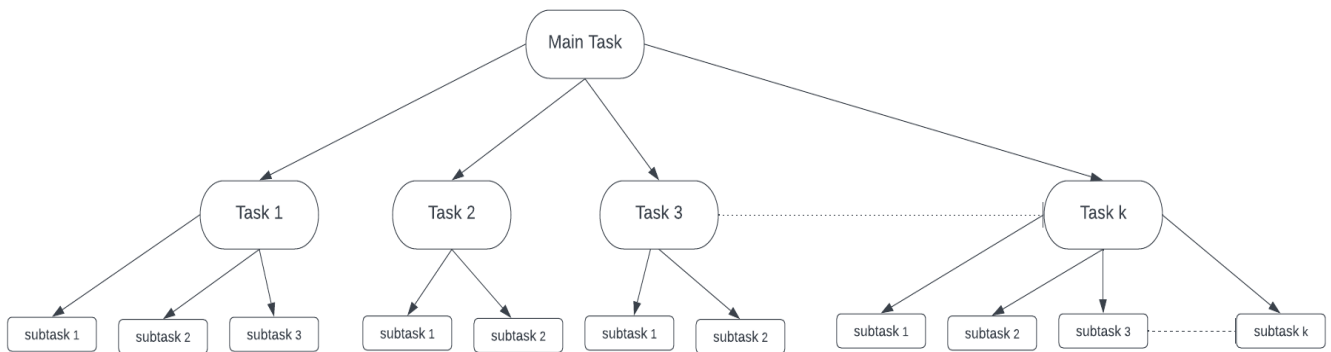


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Task Graph



First `#pragma omp for` divides the for loop with variable `j` into multiple threads which create multiple tasks which run parallelly independent of each other, then for doing matrix multiplication of each block of matrix `#pragma omp task` is used thus, each task creates `k` subtasks. Each subtask multiply a pair of blocks, they all run independently of each other.