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Tiled Code Generator

Tiling is an important program transformation that is used to improve data locality and parallelization granularity. We provide a tiled code generator that produces tiled code with wavefront parallelization supported for the shared memory machine.

Usage

Let's use the classic matrix multiplication as an illustration example, whose alphabets code is the following:

The tiled code generator is called through ScheduledC, therefore, the first step for the code generation is the same with ScheduledC – specify spacetime map and memory map.

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