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ABSTRACT OF THE DISCLOSURE

A method and apparatus for scheduling operations using a dependency matrix. A child operation, such as a micro-operation, is received for scheduling. The child operation is dependent on the completion
5 of a parent operation, such as when one of the child operation's sources is the parent operations's destination. An entry corresponding to the child operation is placed in a scheduling queue and the child operation is compared with other entries in the scheduling queue. The result of this comparison is stored in a dependency matrix. Each row in the dependency
10 matrix corresponds to an entry in the scheduling queue, and each column corresponds to a dependency on an entry in the scheduling queue. Entries in the scheduling queue can then be scheduled based on the information in the dependency matrix, such as when the entire row associated with an entry is clear.



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