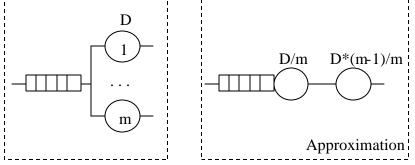
CS 672 – Modeling Multiprocessors

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Approximation for Multiprocessors



- Light load (no queue): total time spent at original queue = D. Total time spent at approximation = (D + D*m D)/m = m*D/m = D.
- Heavy load (all resources are busy): multiple resource queue behaves as single resource that works m times faster. The time spent at the queue dominates the time spent at the delay server.

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