Partitioned scheduling

Documentation

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Compilation

Compile the program as a normal C++ program.

Design

Classes

TaskSetMP : Task Set Multiprocessor (Bin packing methods)
TaskSet : Task Set Uniprocessor (Rate Monotic method)
Task : Task property

Execution

Run the program and it will display the execution time and the number of processors required for First Fit, Next Fit and Best Fit (in this order).

It will automatically test with increasing percentage from 70% to 400%, with 10 000 task sets per percentage. The number of tasks is fixed to 15.