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Approximation algorithms for scheduling jobs with release times and arbitrary sizes on batch machines with non-identical capacities

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Highlights

- Jobs have arbitrary sizes, and machines have non-identical capacities.
- Any job cannot be assigned to machines whose capacities are less than its size.
- Initiate the study of unequal release times and a fixed number of capacities.
- Batch scheduling with incompatible job families is also considered.
- Present constant ratioapproximation algorithms.

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