

Title: Strategyproof Mechanisms for Queueing Models with Multiple Non-identical Machines.

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Abstract

We study a setting where a set of (jobs) agents need to be served by multiple servers (machines) with varying speed. Every agent has two dimensional private information: (a) length of the job (b) per unit waiting cost. Under quasi-linear utility, we identify the complete class of strategyproof mechanisms. We show that a simple monotonicity property with respect to per unit waiting cost completely characterizes such mechanisms.
