Exercise 1.5

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for m machines, Greedy-Scheduling is a $(2-\frac{1}{m})$-approximation algorithm

with 5 machines, at least 500 total load, and at most 25 load per job, we find

$\max t_j \leq \frac{1}{4} LB$

filling this into the proof, we can achieve a lower bound of 1.2 OPT