Cím: Optimal algorithms for online scheduling with bounded rearrangement at the end
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Absztrakt: In this paper, we consider an online non-preemptive scheduling problem on two related machines, where at most K □jobs are allowed to be rearranged, but only after all jobs have been revealed and (temporarily) scheduled. We minimize the makespan, and we call the problem as Online scheduling with bounded rearrangement at the end (BRE), which is a semi-online problem. Jobs arrive one by one over list. After all the jobs have been arrived and scheduled, we are informed that the input sequence is over, then at most K already scheduled jobs can be reassigned. With respect to the worst case ratio, we close the gap between the lower bound and upper bound, improving the previous result as well.