

Non-wasteful rescheduling on the Ground Delay Program*

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Abstract

Expecting inclement weather, an airport reduces arrival slots and re-assigns flights to available slots by a *Ground Delay Program*. This paper analyzes the way to make the most of scarce slots in this programs. We first investigate non-wasteful rules within the fixed available slots framework that has been in use. However, an example shows that every feasible schedule in this framework may be waste on universal domain. Then, we develop a new framework such that available slots are flexible, and compare these two frameworks.

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