

The Job Sequencing and Tool Switching Problem

Abstract

Using tools for an extended amount of time without repeated switching is an efficient way to execute tasks or jobs. Frequently machines are capable of handling various jobs that each require their own set of tools. It is not conceivable to store these all at once. Hence switching is required, a time-consuming process. However, it is possible to significantly lower these switching times. By precisely arranging these jobs and accommodating tools that are required later. Utilizing a heuristic approach it is possible to solve these problems that would otherwise be impracticable to solve.

Method

