

Scheduling Report

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1 Introduction

Table 1: Problem

Name	Label	Timepoints as Date	Nr Products	Nr Process	Nr Disjunctive Resources	Nr Cumulative Resources	Nr Orders	Nr Jobs	Nr Tasks
Generated		true	10	10	8	5	50	50	200

2 Solution

Table 2: Relaxation of Constraints

Name	Label	Enforce Release Date	Enforce Due Date	Enforce Cumulative	Enforce WiP	Enforce Downtime	Nr Threads	Timeout (s)
Sol1		true	false	true	true	true	2	30

Table 3: Solutions (Total 1)

Name	Solver Status	Objective Type	Objective Value	Bound	Gap	Makespan	Flowtime	Total Lateness	Max Lateness	Nr Late	Total Earliness	Max Earliness	Nr Early	Model Type	Time (s)
Sol1	Solution	Makespan	2,898	2342.00	0.19	2,898	68,065	6,985	1,877	9	98,979	4,947	41	CPO	30.14

Figure 1: Cost of Intermediate Solutions

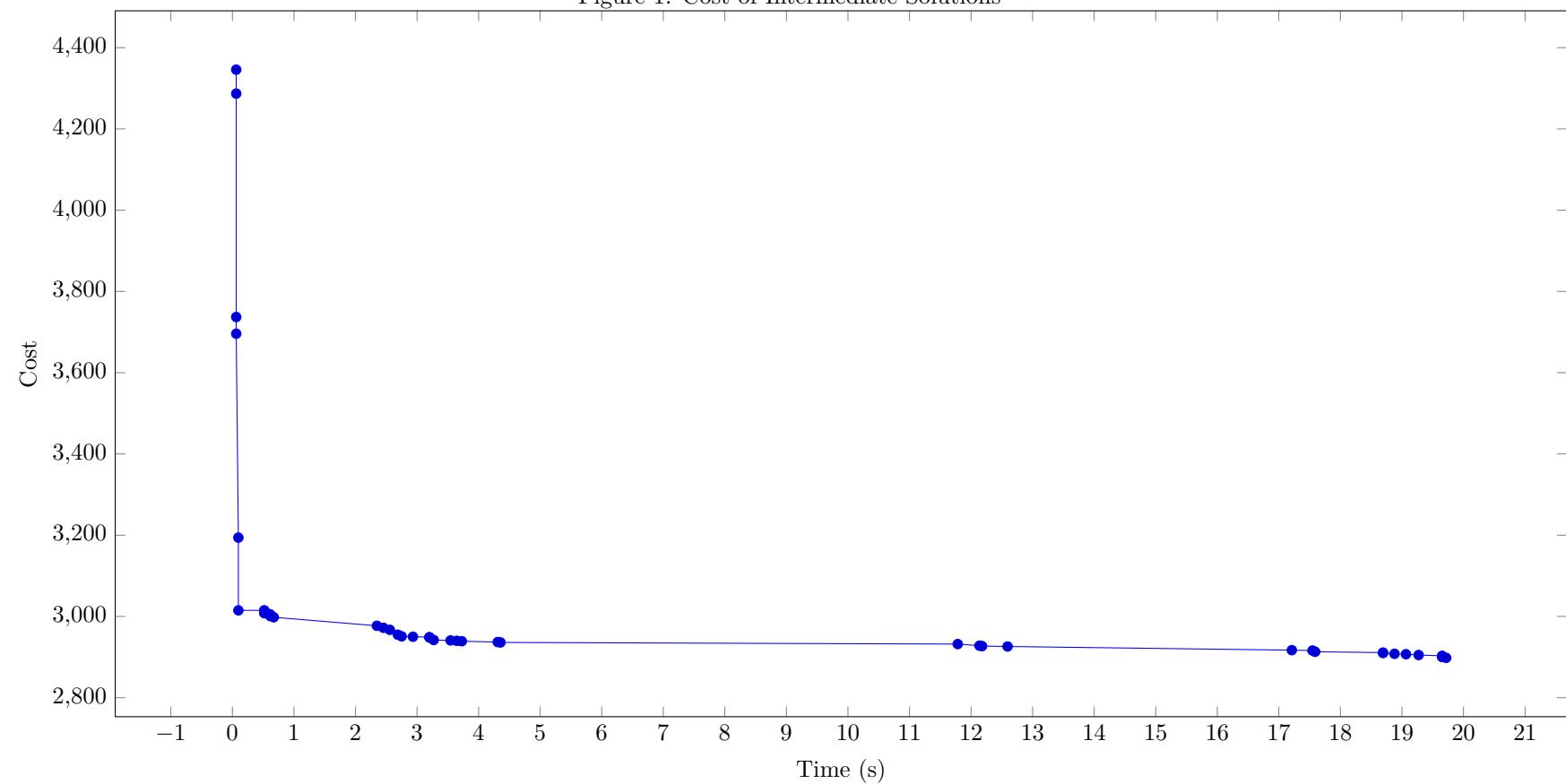


Figure 2: Machine Gantt for Solution Sol1

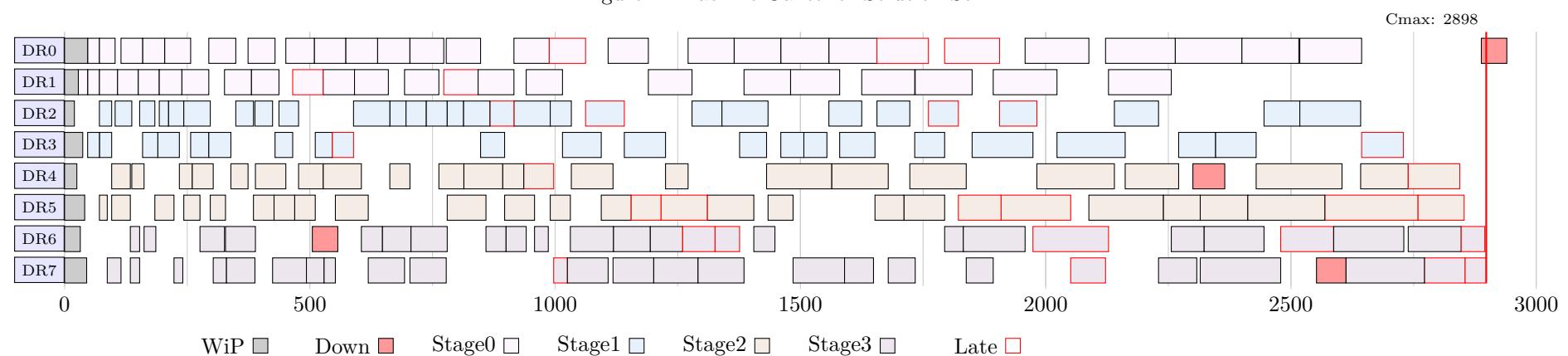


Figure 3: Job Gantt for Solution Sol1 (Part 1 of 2)

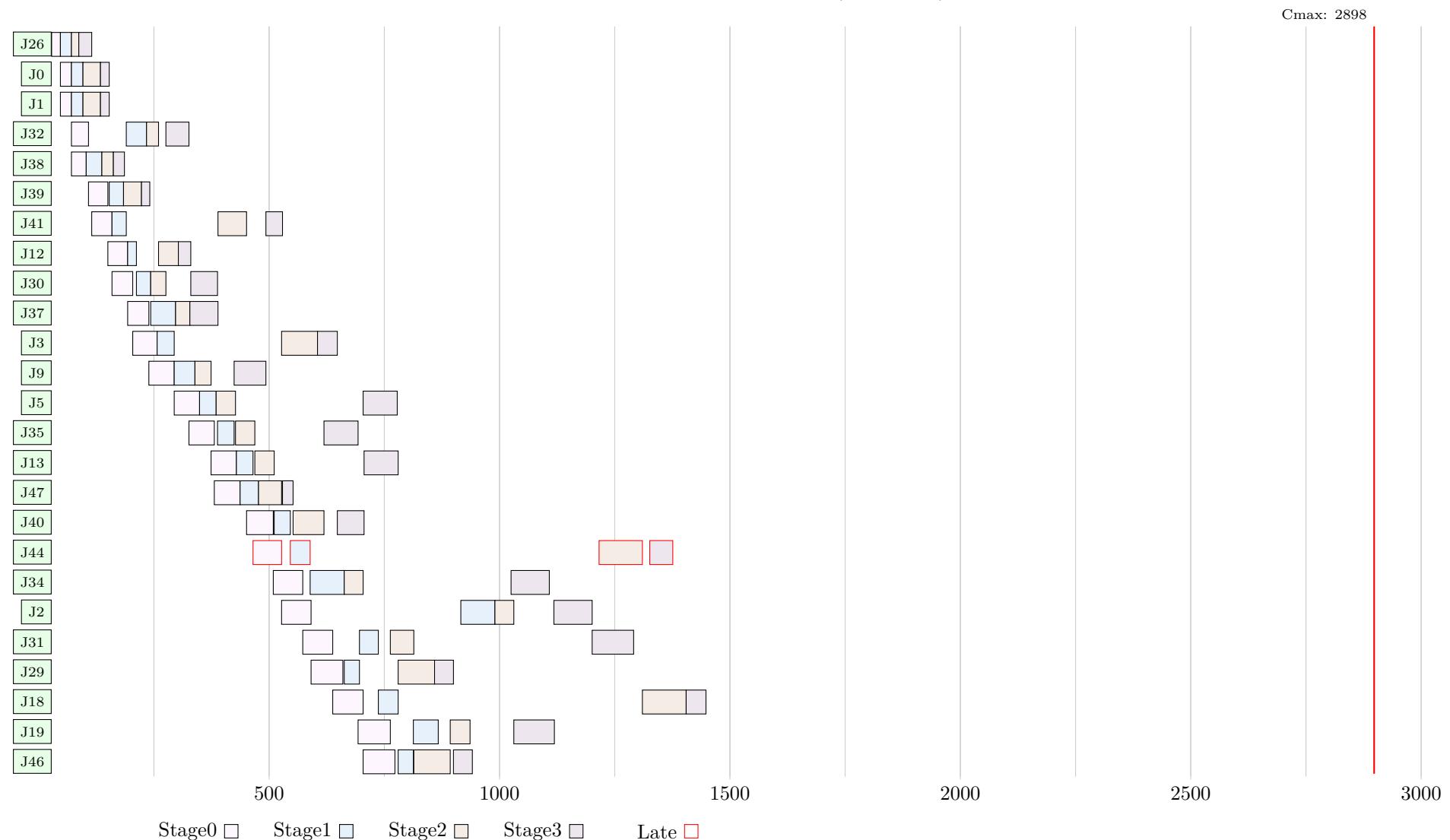
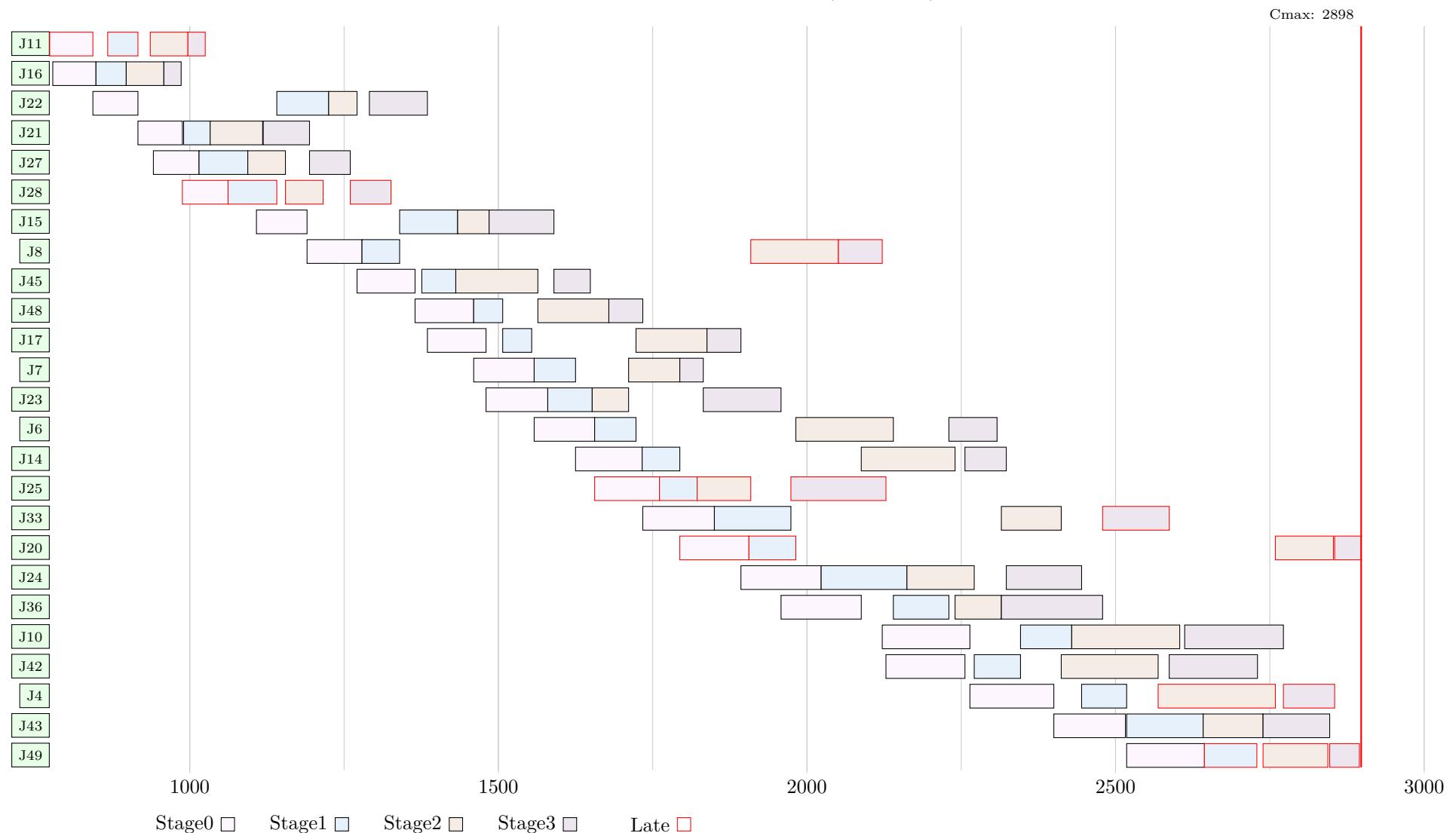


Figure 4: Job Gantt for Solution Sol1 (Part 2 of 2)



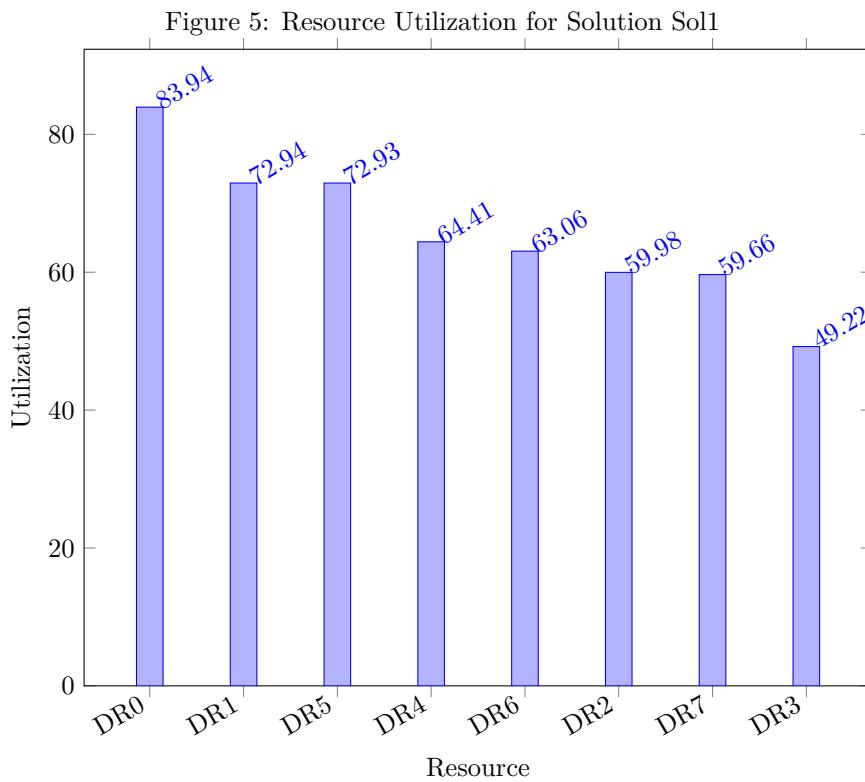
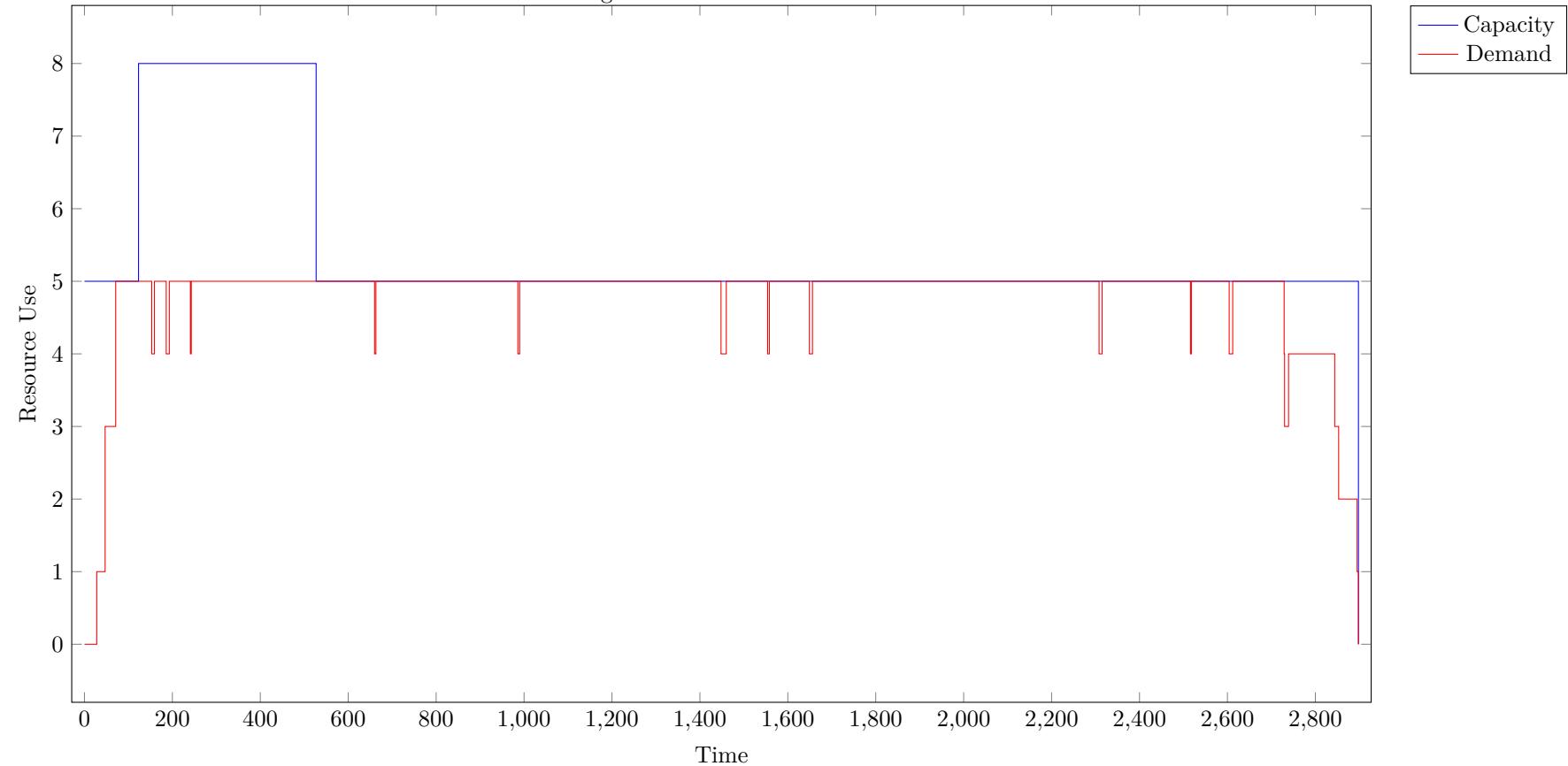
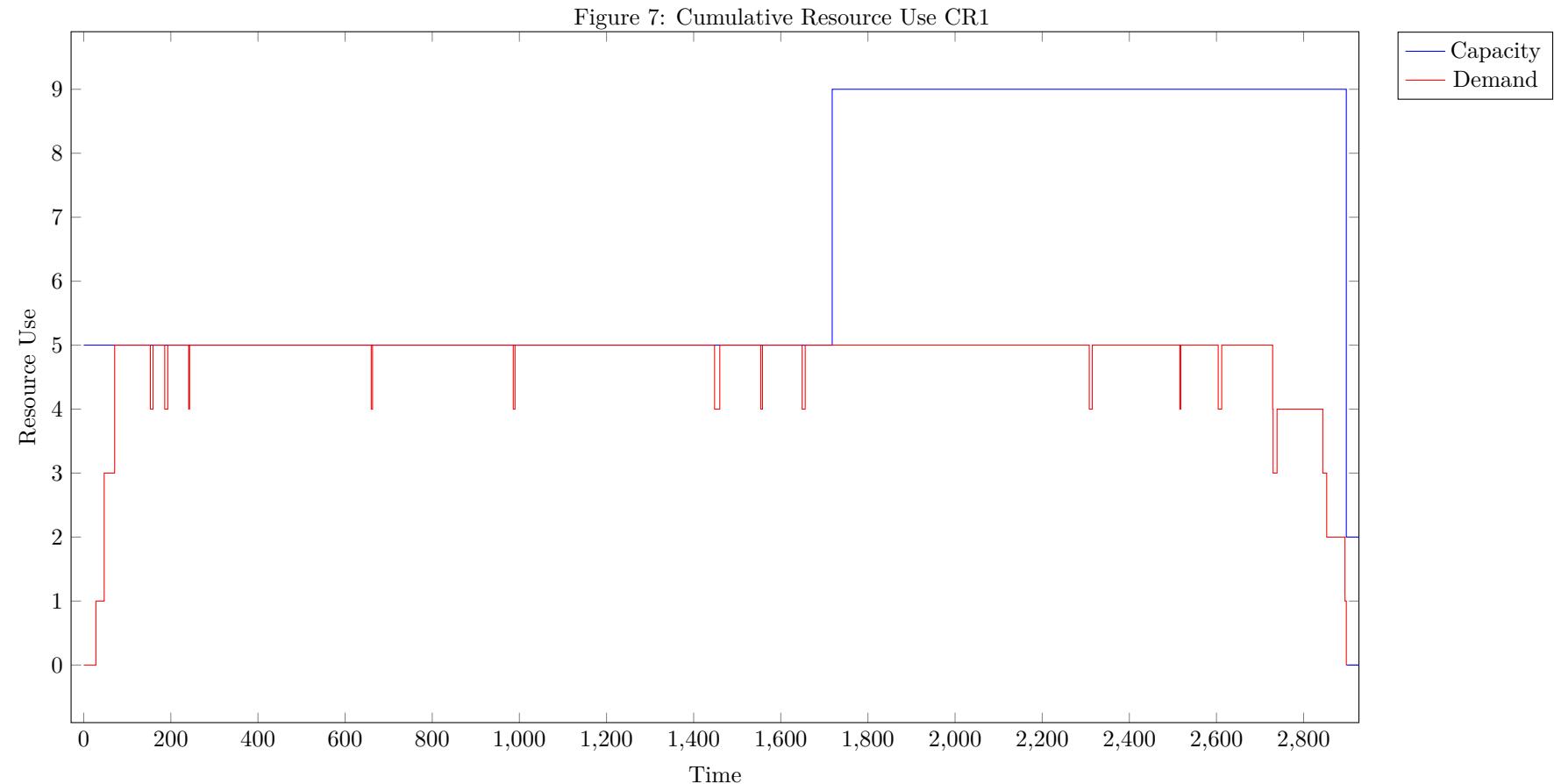
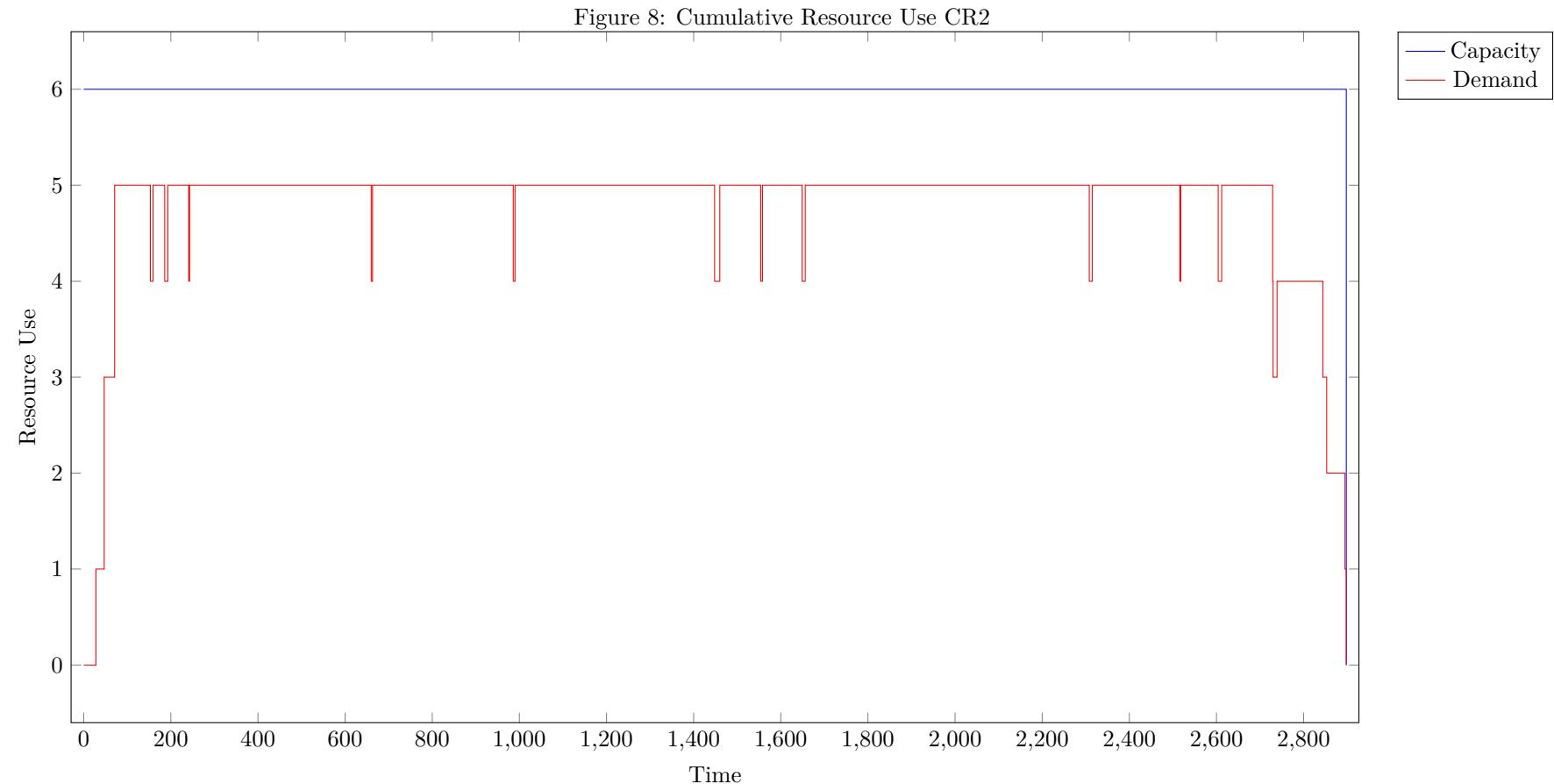


Figure 6: Cumulative Resource Use CR0







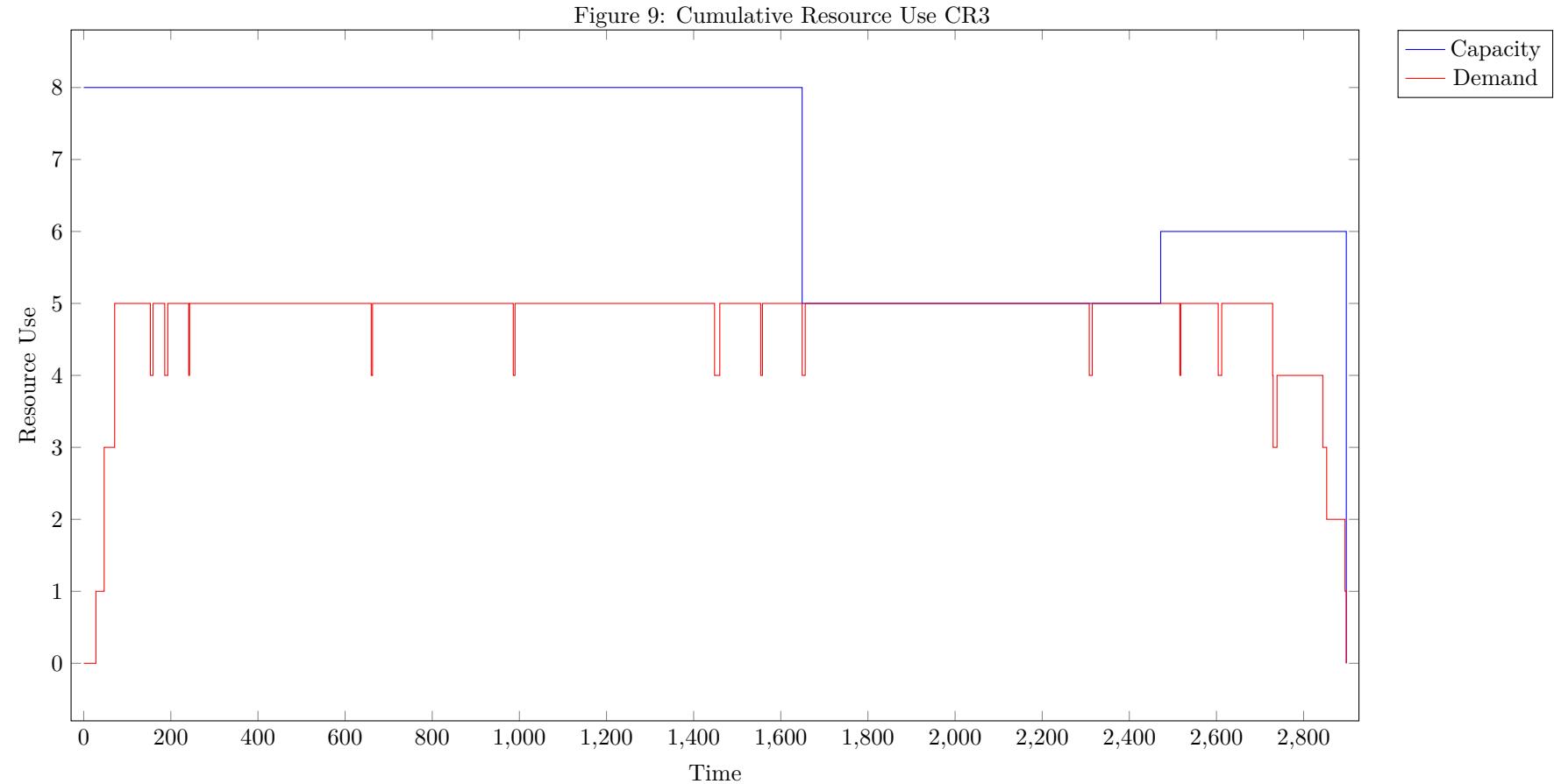


Figure 10: Cumulative Resource Use CR4

