

Task scheduling for dual-arm industrial robots through constraint programming

MiniZinc modeling and solver comparison

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Table of Contents

1 Introduction

- YuMi®
- MiniZinc
- Solvers
- Project goal

2 Case Study

3 Model

- Filter

4 Evaluation

- Results



Introduction



Introduction - YuMi[®]



Introduction - MiniZinc

Introduction - Solvers



Introduction - Project goal

Case Study

Model

Filter

Evaluation

Results

	Pred & Temp		Pred		Temp		None	
	1.6	2.0.1	1.6	2.0.1	1.6	2.0.1	1.6	2.0.1
G12/FD	-	-	-	-	-	-	-	-
JaCoP	658	-	1011156	-	-	-	-	-
Gecode	-	60	-	71761	-	99	-	70925
or-tools	271	!	380	!	302	!	457	!
Opturion CPX	-	!	-	!	-	!	-	!
Choco3	-	-	-	-	-	-	-	-