

MAST 90014 - Optimisation for Industry
Individual assignment – 2024
Summary Sheet – To be submitted via Gradescope.

Do not use decimal places—round results to the closest integer.

Question 1.1

Total cost:	
Number of working hours paid:	

Question 1.2

Total cost:	
Cost of overtime hours:	

Question 1.3

Total cost:	
Cost of overtime hours:	

Question 1.4

Cost of final solution (either with the original workforce – if feasible – or with the new employee – in case the previous answer was infeasible).	
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Question 2.1

Optimal Cycle time:	
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Question 2.2

Number of stations in the optimal solution:	
Workers assigned to the solution:	

Question 2.3

Average cycle time for Roszieg instances:	
Average cycle time for Heskia instances:	