智慧型汽車導論 Homework / 姓名: 張庭維 學號: Ro99 22170

1. Part I

(1) What is the worst-case response time of Mo?

Iteration	LHS(Qo)	Bol	RHS	Stop
1	30	30	30	yes

worst-case = 30+10=40

Ans: 40 ms

(2) RHS Stop Ci LHS(Q1) B, j Q1+Z Tj Iteration 30 0 No 30 30.1 50 10 40 40 10 40 yes 30 0 40.1 50

Worst-case = 30+40=70

RHS Stop G Iteration LHS(Q2) B2 J Q2+Z T (3) 10 20 | 60 No 20.1 30 30 200 50 10 20 0 70 No 60.1 60 GE 1 200 50 10.1 70 20 70 yes 200 1

worst-case = 10+20 = 90

Ans: 90 ms