Project 07   Q & A

Advanced Architecture

Final Exam Practice Problems

Speculative Execution

Out of order   Execution
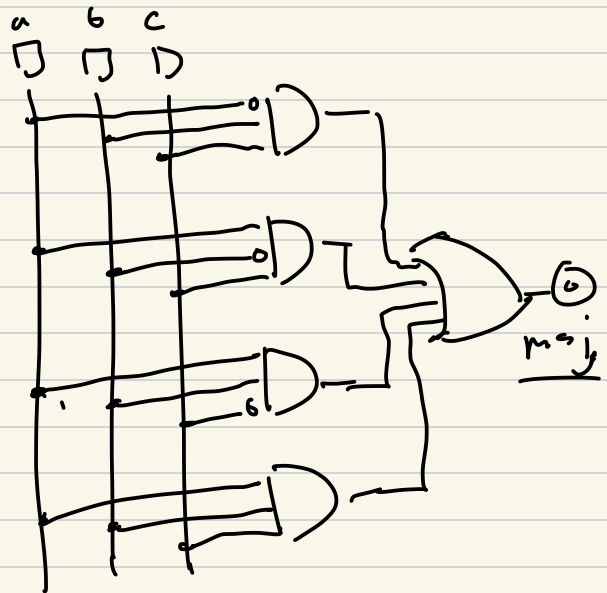
```
ld t-, (a-)
add t1, t2, t3
```

Question 1

a	b	c		maj
0	0	0		0
0	0	1		0
0	1	0		0
0	1	1		1
1	0	0		0
1	0	1		1
1	1	0		1
1	1	1		1

$maj = (\bar{a} \cdot b \cdot c) + (a \cdot \bar{b} \cdot c)$
$+ (a \cdot b \cdot \bar{c}) + (a \cdot b \cdot c)$

Question 3

A

B

C

> — Do

> — Do

0

Marx 3