**Computer Organization 2019**

**HOMEWORK 1**

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**實驗結果圖:**

(波形圖及模擬完成截圖)

Graphical user interface, text, application, email

Description automatically generated

**A screen shot of a computer

Description automatically generated with low confidence**

**程式運作流程:**

(簡單說明波形變化的意義) :波形變化代表高低電位變化

Text

Description automatically generated

時間由上到下進行

Xn:0 0 0 0 0 0 0 0 0

i:\*

S=0

Xn:X1 0 0 0 0 0 0 0 0

i:^ \*

S = X1 = 0-0+X1

Xn:X1 X2 0 0 0 0 0 0 0

i: ^ \*

S = X1+X2 = X1 -0 +X2

.

.

.

Xn:X1 X2 X3 X4 X5 X6 X7 X8 0

i: ^ \*

S = X1+X2+X3+X4+X5+X6+X7+X8

= X1+X2+X3+X4+X5+X6+X7 -0 +X8

Xn:X1 X2 X3 X4 X5 X6 X7 X8 X9

i:\* ^

S = X1+X2+X3+X4+X5+X6+X7+X8+X9

= X1+X2+X3+X4+X5+X6+X7+X8 -0 +X9

Xn:X10 X2 X3 X4 X5 X6 X7 X8 X9

i:^ \*

S = X1+X2+X3+X4+X5+X6+X7+X8+X9+X10

= X1+X2+X3+X4+X5+X6+X7+X8+X9 -X1 +X10

**心得**

(請寫下完成本次作業的心得、學到哪些東西、困難點的部分。)

還不熟悉 ModelSim，Debug 很沒效率。不過最後把想法做出來寫得很簡潔很有成就感。