

Assignment #1

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1. 編譯結果 & 執行結果

```
input: (0.000, 0.000) output: (-0.000) ground_truth: (0.000)
input: (0.000, 1.000) output: (1.000) ground_truth: (1.000)
input: (1.000, 0.000) output: (1.000) ground_truth: (1.000)
input: (1.000, 1.000) output: (-0.000) ground_truth: (0.000)
```

```
epoch 0, sample 0, loss 7.757076
epoch 0, sample 1, loss 0.061346
epoch 0, sample 2, loss 0.044665
epoch 0, sample 3, loss 0.455056
epoch 1000, sample 0, loss 0.000000
epoch 1000, sample 1, loss 0.000000
epoch 1000, sample 2, loss 0.000000
epoch 1000, sample 3, loss 0.000000
epoch 2000, sample 0, loss 0.000000
epoch 2000, sample 1, loss 0.000000
epoch 2000, sample 2, loss 0.000000
epoch 2000, sample 3, loss 0.000000
```

2. 分析

我把 epoch 的輸出的級距調了各種大小輸出，基本上在 1000 的時候

loss=0，500 左右的時候就剩小數五位以下，但是開始震盪。