

Quiz 4

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2.

```
PS C:\Users\jordan\Google 雲端硬碟\研究所\研究所上課資訊\碩一下\密碼工程\Quiz\Quiz_4> python .\Q2.py
Sequence 1: 1111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111000100
Sequence 2: 1111000100110101111000100110101111000100110101111000100110101111000100110101111000100110101111000100
```

兩個出來的數列是一樣的

3. 觀察後可以得到一直在重複出現 111100010011010

4. $2^7 - 1$

5.

```
PS C:\Users\jordan\Google 雲端硬碟\研究所\研究所上課資訊\碩一下\密碼工程\Quiz\Quiz_4> python .\Q5.py
1000 init:0001111010110010001111010110010001111010110010001111010110010001111010110010001111010110010001111010
1111 init:1111010110010001111010110010001111010110010001111010110010001111010110010001111010110010001111010110
0110 init:0110010001111010110010001111010110010001111010110010001111010110010001111010110010001111010110010001
```

各組的循環數列分別為:

- a. 000111101011001
- b. 111101011001000
- c. 011001000111101

各組的循環是一樣的,只是起始的位置不一樣