**Justin\_TwoPointers\_0957. Prison Cells After N Day**

**Concept:**

用 for 迴圈檢查每個位置前後是否相同

int(cells[i-1] == cells[i+1]) 直接回傳到每個位置上

**Code:**

class Solution:

def next\_step(self, cells):

res = [0] \* 8

for i in range(1,7):

res[i] = int(cells[i-1] == cells[i+1])

return res

def prisonAfterNDays(self, cells: List[int], N: int) -> List[int]:

found\_dic = {}

for i in range(N):

cells\_str = str(cells)

if cells\_str in found\_dic:

loop\_len = i - found\_dic[cells\_str]

return self.prisonAfterNDays(cells, (N - i) % loop\_len)

else:

found\_dic[cells\_str] = i

cells = self.next\_step(cells)

return cells