**Justin\_Math\_Recursion\_0247. Strobogrammatic Number II**

**Concept:**

兩種情況 n 為奇數或偶數，用 recursion 分別加上

0 X 0, 1 X 1, 8 X 8, 6 X 9, 9 X 6

**Code:**

class Solution(object):

def findStrobogrammatic(self, n):

"""

:type n: int

:rtype: List[str]

"""

return self.dfs(n,n)

def dfs(self, m, n):

if m == 0:

return [""]

if m == 1:

return ["0","1","8"]

base = self.dfs(m-2, n)

result = []

for i in base:

if m!=n:

result.append("0" + i + "0")

result.append("1" + i + "1")

result.append("6" + i + "9")

result.append("8" + i + "8")

result.append("9" + i + "6")

return result