class Solution:

def generateParenthesis(self, n: int) -> List[str]:

s9={"()"}

y=2

while(y<=n):

s8=s9

s9=set()

for i in s8:

for j in range(len(i)):

s3=i[:j]+'()'+i[j:]

s9.add(s3)

y=y+1

return list(s9)