class Solution:

def fullJustify(self, words: List[str], maxWidth: int) -> List[str]:

res = []

s = []

count = 0

word\_count = 0

for i in words:

if count == 0:

s.append(i)

count += len(i)

word\_count += 1

elif count + 1 + len(i) > maxWidth:

remaining = maxWidth - count

spaces = 1

if word\_count == 1:

s[0] = s[0] + (' '\*remaining)

elif word\_count >= 2:

spaces += (remaining // (word\_count - 1))

for j in range(1, word\_count):

s[j] = (' '\*spaces) + s[j]

count += spaces - 1

remaining = maxWidth - count

if word\_count >= 2:

add\_more\_spaces = (remaining % (word\_count - 1))

if add\_more\_spaces > 0:

spaces = remaining // add\_more\_spaces

for j in range(1, add\_more\_spaces+1):

s[j] = (' '\*spaces) + s[j]

res.append(list(s))

s = []

s.append(i)

count = len(i)

word\_count = 1

else:

count += 1 + len(i)

word\_count += 1

s.append(i)

spaces = 1

for j in range(1, word\_count):

s[j] = (' '\*spaces) + s[j]

remaining = maxWidth - count

s[-1] = s[-1] + (' '\*remaining)

res.append(list(s))

for i in range(len(res)):

res[i] = ''.join(res[i])

return res