##Place space to a pattern

class Solution(object):

def replaceSpaces(self, s):

"""

:type s: str

:rtype: str

"""

i=0

tol = len(s)

while i<tol:

if s[i]==" ":

s = s[:i]+"%20"+s[i+1:]

i+=2

tol+=2

i+=1

return s

https://www.acwing.com/problem/content/17/