**My Solution:**

1. Let n be the length of s.
2. Initilaize low to 0 and high to n.
3. Initilaize res to be an empty list.
4. Iterate through each character ch in s. If the character is ‘I’, then append low to s and increment low by 1. Otherwise, append high to s and decrement high by 1.
5. If the last character in s is ‘I’, then append low. Otherwise, append high.
6. Return res.

class Solution:

def diStringMatch(self, s: str) -> List[int]:

n = len(s)

low = 0

high = n

res = []

for ch in s:

if ch == 'I':

res.append(low)

low += 1

else:

res.append(high)

high -= 1

if s[-1] == 'I':

res.append(low)

else:

res.append(high)

return res