

```
for I in range(N):
  idxLeft = max(i - a[i], 0)
  idxRight = min(i + (a[i] + 1), N)
  dp[idxLeft] = max(dp[idxLeft],
            idxRight)
# Stores count of fountains
# needed to be activated
cntfount = 1
 idxRight = dp[0]
 # Stores index of next fountain
 # that needed to be activated
 idxNext = 0
 # Traverse dp[] array
```

```
for I in range(N):
    idxNext = max(idxNext,
            dp[i])
    # If left most fountain
    # cover all its range
    if (i == idxRight):
      cntfount += 1
      idxRight = idxNext
  return cotfount
# Driver code
if __name__ == '__main__':
```

a = [1, 2, 1]

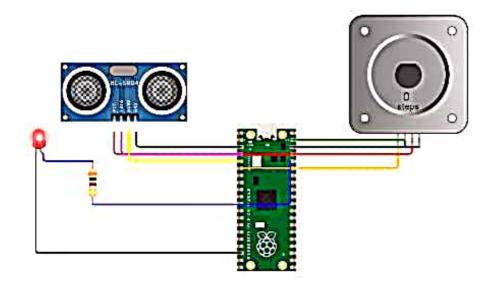
N = len(a)

print(minCntFoun(a, N))

This code is contributed by Shivam



output



```
Traceback (most recent call last):
   File "main.py", line 10, in <module
>
NameError: name 'Ultrasonic' isn't de
fined
MicroPython v1.21.0 on 2023-10-06; Ra
spberry Pi Pico with RP2040
Type "help()" for more information.
>>> [
```