

mead

SCHEDULE

TIME	1	2	3	4	5	6
MONDAY						
TUESDAY						
WEDNESDAY						
THURSDAY						
FRIDAY						

i = 0
dict['p'] = 0
dict['p/q'] = 0
maxlength = max(0, 0 - -1)
= 1

i = 1
dict['w'] = 1
maxlength = max(1, 1)
= 2

dict - vector, all with -1
max l = 0
start = -1

i = 2
dict['w'] > -1
dict['w'] = 2
start = 1
maxlength = max(2, 1)
= 2

i = 3
dict['k'] = 3
start = 1
maxlength = 2

i = 4
dict['e'] = 4
maxlength = (2, 3) = 3

i = 5
dict['w'] > start
start = 5
maxlength(3, 0)
= 3

3

S is string S = "p...w" subarray

using hash
but
nested
loop

S = "p...w" answer = 0 length = 0
H = "w" length = 2 answer = 2

S = "p...w" length = 3 answer = 2
3 > 2, so answer = 3

S = "p...w" length = 1 answer = 3
1 < 3, keep answer

return answer

bad way

using hash table

answer = 0, substart = -1 (this is start of sub-string)

Create a hash table

using for loop:

if character exist and the value > substart
then substart = value
(this mean a repeat character and repeat from new sub)

hash[key(character)] = i (set i as value)

answer = max(answer, i - substart)

return answer