	1
	Muneel Haider Assignment 3
	71i-0640 Algorithms
	Section - 0
	01
(	function are Equivalent:
	Takes three strings reference DNA,
	equivalent Rule, pairs tornatch
	Set pos to the position of '-' in equivalent Rule
	split equivalent Rule from pos into two parts
	If length of part or part 2 is not equal to
	reference CMA, return false.
	Initialize map [256] zeros.
	for each character in reference DNA:
	char from part 1 -> map
	char from part 7 -> map
	for each in pairs to match
	If index is out of bounds return false
	Temme tage
	ceturn true
	end

0.7	
function motch Patter, takes two strings	
text and pattern.	
cont and partern.	
Initialize option to 0	
textengthe length of text -> text	length.
length of pattern > patternleng	th
Loop each char in text:	
Based on option:	
If option is 0:	
If char is 'b'	
ex option is set to !	
Increment loop index	
else if option is 1:	
If char is 'a'	
option = 2	
else	
option = 0	
else if option is 2:	
If char is 'd'	
return	
else if char is not 'a", b, i'	
set option to O	
end Joop	
end	

<i>(D</i> 3
function largest Palindrome takes one string input
n length of input -> n
dp [so][so] set all to 0
for den from 7 ton
for i from 0 to (n-len)
j is set to (lenti-1)
If i = j and Jen is 2
set de [i] [i] to 2
elseit i = j
set do[i][i] to (do[i+i][i-i]+z)
else
set defi)[i] to max (defit)[i] and defi)[i]
end both loops
result set to empty string
set i to 0 and j to n-1
while i <=;
If chars at i=j
append charati to result
it=1 and j-=1
else if dp[it][i] >= dp[i][i-]
1=+3
else j-=1

copy copy of result in half	
If i-1 >=0, j+1 2n and chars at i-1 remove dast character from half append the reverse of half to result	= j + l
 return result	
-	