9 ∞ 0 وي (v) w P b w w W (y তা (vs. O W W 5 গ (1) S ۲ ω তা 4 S W Ŋ Scole

CASE 1:

(0,0) (1,1) (2,2) (3,3) (4,4) (5,5) (6,6) (7,7) (5,6) (6,6) (7,7)1=49Busy + 2==] 8 + [1+1] [1-1] formula: [It there are more than a characters]

[i,(i+i)],[(i+i),i] only a characters, both are same then ev

(5,7) bca (4/6) 060

CASE & : length = &

رة (عرب)

(0,1) b==b (only & char, both are same, then @]
b,b
e; i ==b (only & char, both are same, then @]

max[(1), (&-1)], [(+1), &] = max((1,1)(8,8))

=(1,1)

(6,8) $\max[(5,6),(6,7)] = \max(1,1) = 0$ C#5

0,0 $\max_{x} [(1)(1-x), (1+x), 1] = \max_{x} [(2, x), (2, x)] = \max_{x} (1, 1) = 0$

Input: BBA BCB CAB THE ATIN DEN PORTS

Buch Brocha Bolly & of mossin

(1/5) = bf(1)+2 - (1,1) = max(1,1) = (1,1) The father was

0,6

 $\max[(4,4),(5,5)] = \max[1/1] = (1)$

2,0 2,0 $\max([5,5), (6,6)] = \max(1, 1] = 0$

cla (F13) max (6,6) (7,7) = max(1,1) = (0,8)

9,5

max ((7,7) (8,8)] = max (1,1] = ()

CASE 3: length=3

(1,8) $\max \{(1)(1),(1+),(1+),1] = \max \{(0,1)(1,2)\} = \max \{(2,1) = @ \}$

8=1+B= [4[8] + B = [-1] [1+1]+B

 $= \max ((@_1 3), (3/4)) = \max (1, 1) = 0$

a,bc (2/4)

bab

beb (3,5)

= 8 + [4][4] = 8 + 1 = 3

= 2 + [5] [5] = 2 + 1 = 2

CASE 4: Cheab Boboa 2 bobe gadd (6'0) 0=01, 100 845, 02 (0) 100 = [1,0+1, 0-1,0] 11,000 (4,8) (0, 4) bbabc (8,5) abcb (1,5) babeb Dabe 2095 3939 子 bea b 不少 length =5 $b \neq c$ $\max([0,3), (1,4)) = \max([3,3) = 3) \quad \text{for } c \in \mathbb{R}$ $\max((8, +), (3, 5)) = \max(4, 3) = (3, 6, 6, 6, 6) \times (3, 3) \times (3, 3)$ 6= b 19+U[-] = 2 + [0+U [3-U] = 2+[U[-]] = 2 max (2,5) (3,5) = max(3,3) = (4,6) (4,6) x = 1 2+ [2][4] = 2+1 (3) (3) + 5 - (3) [4 + 5 max ((+, b) (5, +)) = max (3, 1) = (3) (x, 1) x = 20 #a ((3,6) (4,7) = max(3,3) = ((3,6) (4,1)) $\max(i,i-1), (i+1)(i) = \max(0,3)(1+1)(i) = \max(0,3)(1+1)(i) = \max(0,3)(0,3)(1+1)(i)$ max(4,7)(5,8)= max(9,3) =(3) (1) (1-1) (1 @ . H8 : HILE T-8 = 8 - 01-9751 CASE 6: b (0,5) bbabcb (&1₹) (1,6) b abcbc max((1,5)(2,6)) = max(3,3) = (3)bebeab abcbca CASE : 7 bbabcbc bfc (+ /I) (a) babebea CASE: 8 length=8 (%) (%) abcbeab (6,7) babcbca CASE: 9 length=9; 6 babcbcab (1,8) bba bebeab length=7 By Table: The LPS り手の b ta max ((0, b)(1, f)) = max (5, 5) = (5) 02 11 02 bfa max(1,6)(8,7)) = max(3,5)=(5) 2 + [0+1][5-1] = 2+[2+1][7-1] = 8+[3+1][8-1]= 8+[4][7] a & b 0110 $\max((0,5)(1,6)) = \max(5,3)$ max ((2,7)(9,8)) = max(5,5)=(5) 2+[][+] -2+5 -(+) 2+[8][7] = 2+5 (1) S (4 [H][H] + B 8+ [3](6] = 8+8 1 2 +3 1 5 11 20+30

(ii)