Ankit Raj 1906534 # unclude < Stolio. h> # include < string . W int i, j, m, n, LCS-table [20][20]; Chax SI[20] = "HUMAN", SZ[20]= C6 CHIMANZEE 99, 6 [20] [20]; Void LCSAlgo(){ m= Stolen(S1); n=Stolen(52); for(i=0; ic=m; i++) { CS\_+able [i][0]=0;3 for (i=0; ic=n; i++ 1) LCS-table É 03 [i)=0; for(i=1; i c=m; i+t) for(j=1; j c=n; j+t)  $if(s_1 [i-1]==s_2 [j-1)$   $if(s_1 [i-1]==s_2 [j-1]$   $if(s_1 [i-1]==s_2 [j-1])$   $if(s_1 [i-1]==s_2 [j-1]+1;$ else if (LCS-table [i-1] [j]>=(CS-table Ci) [i) [j-2]){ LCS-table [i][j]=LCS-table[i-1][j]; else ? LCS-table [i)[j] = LCS-table [i][j-]];

int index = LCS\_table [m] [n]; char IcsAlgo [index +1]; IcsAlgo [index ] = "\0"; if(S1[i-1]==S2[j-1]) { ICSAGO [index-1]=S1[i-1]; index -LLS-table [i][j-1]]{ else { Brintf (6051: 405\ns 25 4.5\n3, 51,52); int mais 175

Ankit Raj 1906534 # include <S+dioh # Enclude < conio, h> Ent a [20] [20] greach [20], no void dfs (und V) { Iceach [v] =1: for (i=1 ; i <= h; i++) Ef(a[V][i]22! ! sceach[i]]{
Brintf(66\N1.d) > 1.d?, V,i); dfs(i); void mais () { int igja Count =0; frint f'(00 e In Enter number of vertices: 99); Scanf (6640 d 3 2 h); Por(i=1; ix=n; i++) { reach [i]=0; for (j = 1; j < = n; j ++) { a [i] [j] = 0; for (i=1) i <= n; i++) { for (j=1; j==n; j++) { Scan f (60/, 2 2) & a [i] [j]); Bornt & (" 121 2) /2 Brintf (60 reachable nodes age non);

