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5. Phims Algorithm
                                                        1BM19C8085
                      ADA
                              LAB Test -2
                                                       Md Ibaduddin Saffan
# include <abdio.4>
     ust [67[10], V/s [10], v+ [10], u+ [10][2], u,v, epn, sum=0;
      phims ()
void
1
      int n=1 i
     vt[x]=1;
     int min, k, mij ;
     filling is i is i is i ittl
           min = 999;
           j=x i
           while ( ; 70)
              k= v+ Cj];
              for (m=2; m2=n; m++)
                   il (cost[h][m] Lmin 4d via [m] == 0 dd cost[h](m]]=0)
                         min: ust [h][m]i
          ut [++z] = v )
          ut (i][0]=4i
         ut [i][a]=vi
          ett i
          via[v]=1;
          sum = sum + wst [u][v];
    3
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the

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Pier
    moint)
     printy ("Enter the number of vertices: \");
     sunf (".1.d", en);
     prints ("Enter the cost adjacency matrix: \m");
     th ( fut i=o1; i<=n; i++)
          fs (int j=1; j <=n; j++)
                 sconf(".1.d", dest [i][j]);
     primo();
     print (" (ost: 1.d m", sum);
     print (" Edger Selected: m");
     for ( lut i= D; i < 0 e; i++)
        print (" 1-8 to 1.2 in", et [i] [o], et [i][1]);
      3
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Ms

1BM1965095 ADALAD TUt-2 Md Ibaduddin Saffen Modification i Phint nodes that an be visited excluding specified node. # include < stdio. h> ust [10][10], v+[10], vis[10], e+[10][2], u, v, e=, n, sum=0; void phimal1 int n=1; vt [z] = 1 ; jut min, k, m, ji facial is is is n; itt) mln = 999) j=x ; while (j >0) E k= vl [j] 1 (cost [h][m] <mi 4+ vis [m] == 0 4d cost [k][m]]=0) pr (m=2; m(=n; m+) min = wat [h] [m]; vistm] = i √, if (of [i-1][o] != 4 of [i-1][i] != ν ddu!=v vt [++x] = v i et [1][0] = 4 i et (it cit et [17 [17 = v; vis [v] = 1; sum: sum + wst [4][v]) ett i 3 the

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1BM19C5015 ADA Lab Tut-2 Md Ibaduddin Saffan () wind biov politif ("Enter the number of vertices: \$10"); 5 print (" Enter the est adjacency matrix: (n"); sauf (".1.d", fn) i falled i= 1; is=n; iti) pr(int j=1; j2=n; j++1 scary (".1.d", & contillion) i print (" Enter the vertex which should not be visited: [""); sunf ("·1·d", d jabidden) i vis [phidalin] =1; print (" Edger visited :\")i print (".1-1 to .1.d \n", et[i][o], et[i](i]). pr (lut i=0; i2=e; /+1) print (" Total cost : 1hm" (B) sum); 3

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