ADA L<u>ab test -2</u>

```
#include < Stolio.h >
    missistance int number 101;
 int pick Index (int n, int picked (n), int cost [n])
 int mini = 0;
     int min = 999;
    for Cut i= 0; i<u; i++)
       if (picked Ci3 /=1 && cost Ci7 < min)
         min = cost [i];
      mini = i;
     return min;
void updatedistances (int u, int row, int index, int costanties)
                                         int adi[u][n)
     for (int 1=0; izu; i++)
         if (adj[index][i]; 999 ; let adj[index][i] + cost [sow][i] < cost [sow]
            cost (row][i] = adj (index S[i]+ cost [row][idex];
 3 3
```

```
int dijkskatra (int n, intadjenJen])
 & Jedelneusted (A);
       nedes (n3 ;
     int cost (n][u];
    for Cint 1:0; iza; i++)
    2
          nodes (i3:0; number li3:0;
          cost CoJEOJ=O;
          600 (int j=0; Jj<n;j++)
         £ wost (3363 : 999;
     int row = 0;
    while (row < u)
       int index: get Index (u, nodes, wost (sow)).
       76W ++;
       nooles [index]: 1;
        up date Distances (u, now, index, cost, adi);
        updale_zono ( zono, n, wst);
     print (n, xost [u-1]);
jut main ()
        aga[5][5]= & & 0,2,06,03, &2,0,3,8,53, &0,3,0,0,73,
                    € 6,8,0,0,9$, € 0,5, 7,9,0 € €;
     dijsktra (5, arr);
```