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ADA-Lastedos.
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Warshall's algorithm

```
#include < stdio. h>
 int a [10] [10] , p [10] [10] , i, j, k, n;
 () Worshall
   for (i=1;i<=n;i++)
    for (j=1; j<=n; j++)
       ( [(3[[] = a[]][])
     for ( =1; k (=n; k++)
     for (i=1 ; i < = n; i++)
          for (j=1; je=n;j++)
           [ ((p(i][;]:=1) ff (p[i][=]==1 f4 p[=][;]==1))
              p [i] [j] = 1;
```

```
void main ()
<printf ("Enter number of verticesin");</pre>
  scanj (".1.d", In);
  print (" Enter adjacency motorx in");
 for (i=1; K=n; i++)
   for (j=1;j c=n 1j+4)
       d scay ("1-d", 40 [:][]);
    Worshalls ();
   printy (" Path motris In");
   for (121; iz=n; i++)
   for (j=1;j <= n;j++)
        printy ("4-11+", p(i) (j)),
       Prints (" (" ");
   for (1=0; 1cn; 1++)
     ( if (bei) ei)
            Break (" Ryck skintexty");
                                      11 Modification
 ) if (count == 0)
    I print (" Groph dowint contain any cycle");
```

else

printf ("Graph contains cycle with verticy");

for (i=1; i<=n; i++)

(p[i] (i]==1)

<pre>
printf (".1.d", i];
}

getch ();