```
#include <stdio.h>
#include <stdlib.h>

struct node
{
    int dist [15];
    int from [10];
};

void main()
{
    int a [15][15], n=0, i, j, k, count;
    struct node s [10];
    printf ("Enter no. of nodes");
    scanf (" %d", &n);
    printf (" matrix :");
    for (i=1; i<n; i++)
    {
        for (j=1; j<n; j++)
        {
            scanf (" %d", &a[i][j]);
            s[i].dist [j] = a[i][j];
            s[i].from [j] = j;
        }
    }

    do
    {
        count = 0;
        for (k=1; k<=n; k++)
        {
            for (i=1; i<=n; i++)
            {
                for (j=1; j<=n; j++)
                {
                    if (s[i].dist [j] > a[i][k] + s[k].dist[j])
```

```
{ if s[i].dist[j] = a[i][k] + s[k].dist[j];
    s[i].from[j] = k;
    count ++;
  }
}
}
}

while (count != 0)
for (i=1; i<n; i++)
{
    for(j=1; j<n; j++)
    {
        printf("src: %d , dist : %d; i,j);
    }
}
}
```