



```
System.out.println("The Graph contains negative edge cycle");
    }}}
```

```
for (int vertex = 1; vertex <= num_ver; vertex++){

System.out.println("distance of source " + source + " to " + vertex + " is " + D[vertex]);
```

```
}
```

```
public static void main(String[] args){

int num_ver = 0;

int source;

Scanner scanner = new Scanner(System.in);

System.out.println("Enter the number of vertices:");

num_ver = scanner.nextInt();

int A[][] = new int[num_ver + 1][num_ver + 1];

System.out.println("Enter the adjacency matrix:");

for (int sn = 1; sn <= num_ver; sn++)

{

    for (int dn = 1; dn <= num_ver; dn++) {

A[sn][dn] = scanner.nextInt();

        if (sn == dn) {

A[sn][dn] = 0;

        continue;    }

        if (A[sn][dn] == 0)  {

A[sn][dn] = MAX_VALUE;

        }}
```

```
    System.out.println("Enter the source vertex:");

source = scanner.nextInt();

BellmanFord b = new BellmanFord(num_ver);

b.BellmanFordEvaluation(source, A);

scanner.close(); }}
```

