

cout ("Enter number of nodes");

int n = fs.nextInt();

int arr[][] = new int[n][n];

cout ("Enter 1 if edge present 0 otherwise");

for (i=0 to n)

{ for (j=0 to n) {

arr[i][j] = fs.nextInt();

}

}

int src = 0

int [] dist = new int[n];

dist[0] = 0

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

for (j=0; j<n; j++)

{ if arr[i][j] == 1

if (dist[j] != Integer.MAX_VALUE & dist[j]+1 < dist[i])

{ dist[i] = dist[j]+1;

}

}

for (i=0 to n) cout ((char) ('A'+i) + dist[i]);