Write a program to compute transitive closureof a given direct graph using Warshalls algorithm.

```
def warShalls(c, n):
    for k in range(n):
        for i in range(n):
            for j in range(n):
                if c[i][j] or (c[i][k] and c[k][j]):
                    c[i][j] = 1

    print("The trancitive closure of the graph is :")
    for i in range(n):
        for j in range(n):
            print(c[i][j], end=" ")
        print()

def main():
    n = int(input("Enetr the number of vertices:"))
    c = []
    print("Enter the adjancey cost matrix:")
    for i in range(n):
        row = list(map(int, input().split()))
        c.append(row)
    warShalls(c, n)

main()
```

```
ouput:
Enetr the number of vertices:4
Enter the adjancey cost matrix:
0 1 0 0
0 0 0 1
0 0 0 0
1 0 1 0
The trancitive closure of the graph is :
1 1 1 1
1 1 1 1
0 0 0 0
```

1 1 1 1