PRIM’S

#!/bin/python3

import math

import os

import random

import re

import sys

# Complete the prims function below.

def prims(n, edges, start):

c=0

for i in range(len(edges)):

temp=edges[i][0]

edges[i][0]=edges[i][2]

edges[i][2]=temp

edges=sorted(edges)

ar=[]

for i in range(len(edges)):

ar.append(0)

ar[0]=1

for i in range(len(edges)):

a=edges[i][1]

b=edges[i][2]

if(ar[a]==0 or ar[b]==0):

ar[a]=1

ar[b]=1

c+=edges[i][0]

return c

if \_\_name\_\_ == '\_\_main\_\_':

fptr = open(os.environ['OUTPUT\_PATH'], 'w')

nm = input().split()

n = int(nm[0])

m = int(nm[1])

edges = []

for \_ in range(m):

edges.append(list(map(int, input().rstrip().split())))

start = int(input())

result = prims(n, edges, start)

fptr.write(str(result) + '\n')

fptr.close()

