Name: Treando Roy

D: 22301261

LAB-07

the stack -1

In this tank I take a input file and by reading this we ged in and in tollowed by me pain of integer representing thriendship between Roofle. It then employs a union-find algorithm to defermine the Size of hiendship groups and writes the sizes into output hile.

tash -2

In this test I take a input file and need for and get 'n' and 'm' integers obliqued by m lines representing edges and weights between ventics.

There implementing knowled algorithm I find the minimum spanning then (MST) of the greath and calculates to total weight. Andly It would in the output file the total weight of MST in the output file the total weight at MST in the

Jask - 3

In this took -the code reads in intgers from input Ale women represents the number of Steps in a dynamic Programming Problem. It calculates the number of weys to Climb his skeps when either 1 on 2 steps at a time, wring dynamic Programing. Firelly it writs be nearly

100k-4

In this test The code reeds the impate comment the 1st line contains undegen in and improved the impate ond the temperature of the cost types and the danger amount respectfully, and the second line contains! denominations of the costs, the minimum number of course needed to make up the taget amount on.