Minimum Distance

struct comp_s comp – to store the information about the components;
float *gnd – to store the information about the electric ground;
float **dist_diff – is a matrix with the size of **m** and **n**, where m is the number of electric grounds and n is the number of components. On each column is stores the distance between the j-th component and the i-th electric ground;

This is an example of dist_diff values with the file given in the exam (you can see it also by setting **DEBUG** to 1):

35	60	78	112
59	34	16	18

Finally, we use **findMinimum** on each row of dist_diff to find the distance to the closest ground and **sum** them up;