

Week 5

← Week 5

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Assignment: Programming Assignment 5: Minimum Spanning Trees

JS

Failed case #9/40: Clustering

▼

Juhi Srivastava

Assignment: Programming Assignment 5: Minimum Spanning Trees · 6 months ago

Failed case #9/40: Wrong answer (Time used: 0.08/10.00, memory used: 17653760/536870912.)

I request you to let me know that why am I failing at this test case. I have tried to cluster the points using kruskal's algo and then found the min distance between any two vertices of different clusters.

Still I am facing this issue. It may be possible that I might be missing some endpoints. If anyone can help me out with this then I will be highly grateful.

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Karol Lemanski · 13 days ago

The corner case that stopped me for a while was $k == |V|$.

(It seems that the testcase #6 is constructed like that)

As soon as I identified that I kept returning 'distance^2' instead of 'distance' for this specific case and fixed it, I've passed all the cases and achieved: Good job! (Max time used: 0.23/10.00, max memory used: 10362880/536870912.

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Artur Riazanov · Teaching Staff · 6 months ago

For this problem it is very easy to implement a solution with time complexity $\mathcal{O}(k^n \cdot n^2)$. Try to implement it and compare the results with your main solution for many random tests.

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