

# Homework 4

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**Due** May 16 by 11:59pm    **Points** 30    **Submitting** a file upload    **File Types** pdf  
**Available** May 2 at 12am - May 17 at 11:59pm 16 days




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This assignment was locked May 17 at 11:59pm.

Description: [HW 4](#)


Sample [graph.txt](#)  ([https://canvas.oregonstate.edu/courses/1870028/files/92756844/download?download\\_frd=1](https://canvas.oregonstate.edu/courses/1870028/files/92756844/download?download_frd=1)) file

[HW4solution.txt](#)  ([https://canvas.oregonstate.edu/courses/1870028/files/92756855/download?download\\_frd=1](https://canvas.oregonstate.edu/courses/1870028/files/92756855/download?download_frd=1))

Scripts: [HW4\\_c.sh](#)  ([https://canvas.oregonstate.edu/courses/1870028/files/92756862/download?download\\_frd=1](https://canvas.oregonstate.edu/courses/1870028/files/92756862/download?download_frd=1)) , [HW4\\_cpp.sh](#)   
([https://canvas.oregonstate.edu/courses/1870028/files/92756860/download?download\\_frd=1](https://canvas.oregonstate.edu/courses/1870028/files/92756860/download?download_frd=1)) , [HW4\\_py.sh](#)   
([https://canvas.oregonstate.edu/courses/1870028/files/92756864/download?download\\_frd=1](https://canvas.oregonstate.edu/courses/1870028/files/92756864/download?download_frd=1))

Submit written solutions in Canvas

In TEACH submit a .zip file containing:

- nst.\*\*
- graph.txt
  - HW4solution.txt
  - HW4\_\*\*.sh

Criteria	Ratings						Pts
P1 a) Results for graph - Distances and paths from G	2 pts Full Marks		1 pts partial credit		0 pts No Marks		2 pts
P1 b) Algorithm for optimal location and running time	3 pts Full Marks	2 pts minor error		1 pts major error		0 pts No Marks	3 pts
P1 c) Optimal location for graph. E	1 pts Full Marks			0 pts No Marks			1 pts
P1 d) two distribution centers algorithm and running time	3 pts Full Marks	2 pts minor error		1 pts major errors		0 pts No Marks	3 pts
P1 e) Optimal locations for graph. C & H	1 pts Full Marks			0 pts No Marks			1 pts
P2) Verbal description and data structure	5 pts Full Marks	4 pts minor error	3 pts several minor errors		2 pts major errors	0 pts No Marks	5 pts

Criteria	Ratings								Pts
P2) Pseudocode	2 pts Full Marks		1 pts minor error			0 pts No Marks			2 pts
P2) Running time & explanation	3 pts Full Marks		2 pts minor error		1 pts major error		0 pts No Marks		3 pts
P2 Implementation, commented code, results verified with solution. Runs on all test cases.	10 pts Full Marks	9 pts missing 1 requirement or error in output	8 pts missing 2 requirements or errors in output	7 pts 3 errors in output	6 pts 4 or more errors in output	5 pts runs but all output incorrect or incorrectly formatted	3 pts does not run	0 pts No Marks	10 pts
Total Points: 30									

