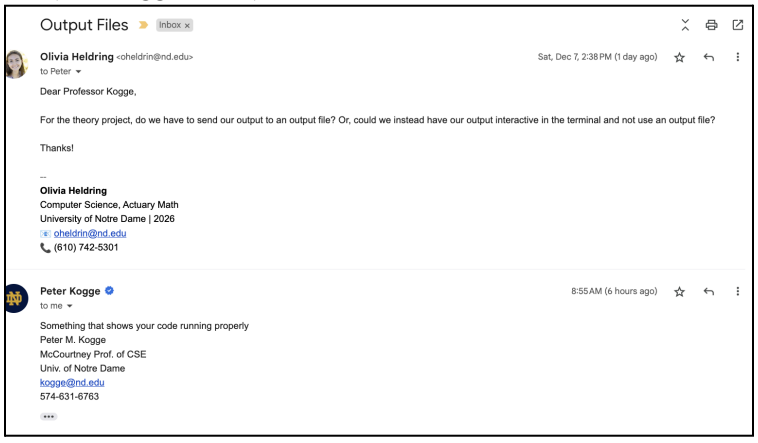
Project Teamwork Team Oheldrin

Version 1 9/11/24

A ***separate copy*** of this template should be filled out and submitted by each student, regardless of the number of students on the team. Also change the title of this template to “Project x Teamwork <team> - <netid>”

1	**Team Name:** oheldrin
2	**Individual name:** Olivia Heldring
3	**Individual netid:** oheldrin
4	**Other team members names and netids**: NA (I worked alone)
5	Link to github repository: https://github.com/oliviaheldring/NTM_Project
6	**Overall project attempted, with sub-projects:** Project 1 (NTM)
7	List of included files (if you have many files of a certain type, such as test files of different sizes, list just the folder): (Add more rows as necessary)

File/folder Name	File Contents and Use
Code Files	
traceTM_oheldrin.py	Main code
Test Files	
abc_star.csv aplus.csv	Input files (test code)
Output Files	
NA (see Kogge email) 	

<table>
<tr><td></td><td>
<table>
<tr><td colspan="2">Plots (as needed)</td></tr>
<tr><td>NA (Tables are apart of my interactive output in the terminal)</td><td></td></tr>
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</td></tr>
<tr><td>8</td><td>Individual Student time (in hours) to complete: 16 hours</td></tr>
<tr><td>9</td><td>Your specific activities and responsibilities: Everything! I worked alone. :)</td></tr>
<tr><td>10</td><td>What was personally learned (topic, programming, algorithms):

Through this project, I gained a deeper understanding of Turing machines and how to translate state-transition diagrams into code. I became more comfortable with data structures like dictionaries and lists, and the project reinforced my understanding of BFS from data structures last semester. Debugging transitions highlighted the challenges of ensuring nondeterministic behaviors are handled correctly. Finally, I developed a better understanding of handling input/output operations in Python to make the Turing machine dynamic and interactive with the user!</td></tr>
<tr><td>11</td><td>How team was organized, and what might be improved.: NA (I worked alone)</td></tr>
<tr><td>12</td><td>Any additional material: NA</td></tr>
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