Iselda Apello I worked with Sophia Carlone, Ryan O'Rourke, and Theror Scrage [Problem 1] A. (n-1)! B. (n-1)! C. Yes D. (n-1)! E. nⁿ F. Yes G.nⁿ H. n²ⁿ I. Yes [Problem 2] A. Infinite B. Infinite C. No P. Infinite E. Infinite F. No G. Infinite H. Infinite I No [Problem 3] C. 1, 1, 3, 5, 1, 3, 2, 4, 8, 8, 1,3,2,6,4,5,8,7,10, 1, 3, 2, 6, 9, 4, 5, 8, 7, 10, 1, 3, 2, 6, 9, 11, 4, 5, 8, 7, 10 when x= goal rode, n= current node

[Problem 4] 14 B [Problem 5] A. Stete-An assortant of words assigned a rendom vericible x, when x is less than the number of words, and each is unique. Neighbor-Exchanging the values of two words (i.e. moving the positions of each word)
Objective Fraction-Arount of words who are "out of order" (where out of order mans the first letter of the west word does not ratch the last letter of the first was, etc. B. Variables - List of words to be ordered Domain-Number of words to be ordered Constraints - 1. Current vard last letter not the sur as rext words List letter 2. Current word first letter not the same as previous verds but letter