Check in the old programs what option was chosen most after each of the 64 possibilities. Based on this a 64 bit sequence should be made, purely based on statistics of both.

Steps of work

1. Create data sets for each permutation of pairs

2. Convert letter code to number (0:63) (Mees)

3. Extract statistics about each number from data set (Jason)

4. Assign cooperate or defect toe each number