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 (Jason)
2. Convert letter code to number (0:63) (Mees)
3. Extract statistics about each number from data set (Simon)
4. Assign cooperate or defect toe each number (afterwards)