

This matching algorithm first calculates the Pearson correlation for each combination of pairs. Whilst doing this it calculates the product of the users ranked movies/total movies ratio and uses this as a bonus on top of the correlation so movie-fanatics match better. Using this information a preliminary list is formed using the Greedy approach. Then the algorithm looks for pairs to cross with the pair with the worst correlation and crosses them if both resulting correlations aren't worse off than the previous worst correlation until no such pair can be found. So the worst match isn't so bad at all.