Product Recommendation Write Up

Problem Description

Product recommendations can be very helpful for users on an e-commerce site. It can broaden their product horizons and also show them other products that might be useful in conjunction with their product of choice. You will be given 3 weeks of historical data from customers on homedepot.com as the training data.

Training Data

The training set is derived from customer behavior data on homedepot.com. Each line in the training data is a comma separated list of products that were looked at throughout the course of a single user session.

Testing

Your recommender will be evaluated by using customer behavior data from the week after the training data. Every time a product pair from your recommender occurs in the test set, you get a point. The team with the most points wins!

Output

Each product's recommendations is limited to 10 other products. Having fewer than 10 is fine. Your output should be a text file with the first line containing your team name and each subsequent line corresponding to a product ID:

P|R1,R2,R3,R4,R5,R6,R7,R8,R9,R10

Where P is the product we want recommendations for and RX are the products recommended for P.

Scoring

The number of times your recommender's recommendations actually occurred in the test data set.