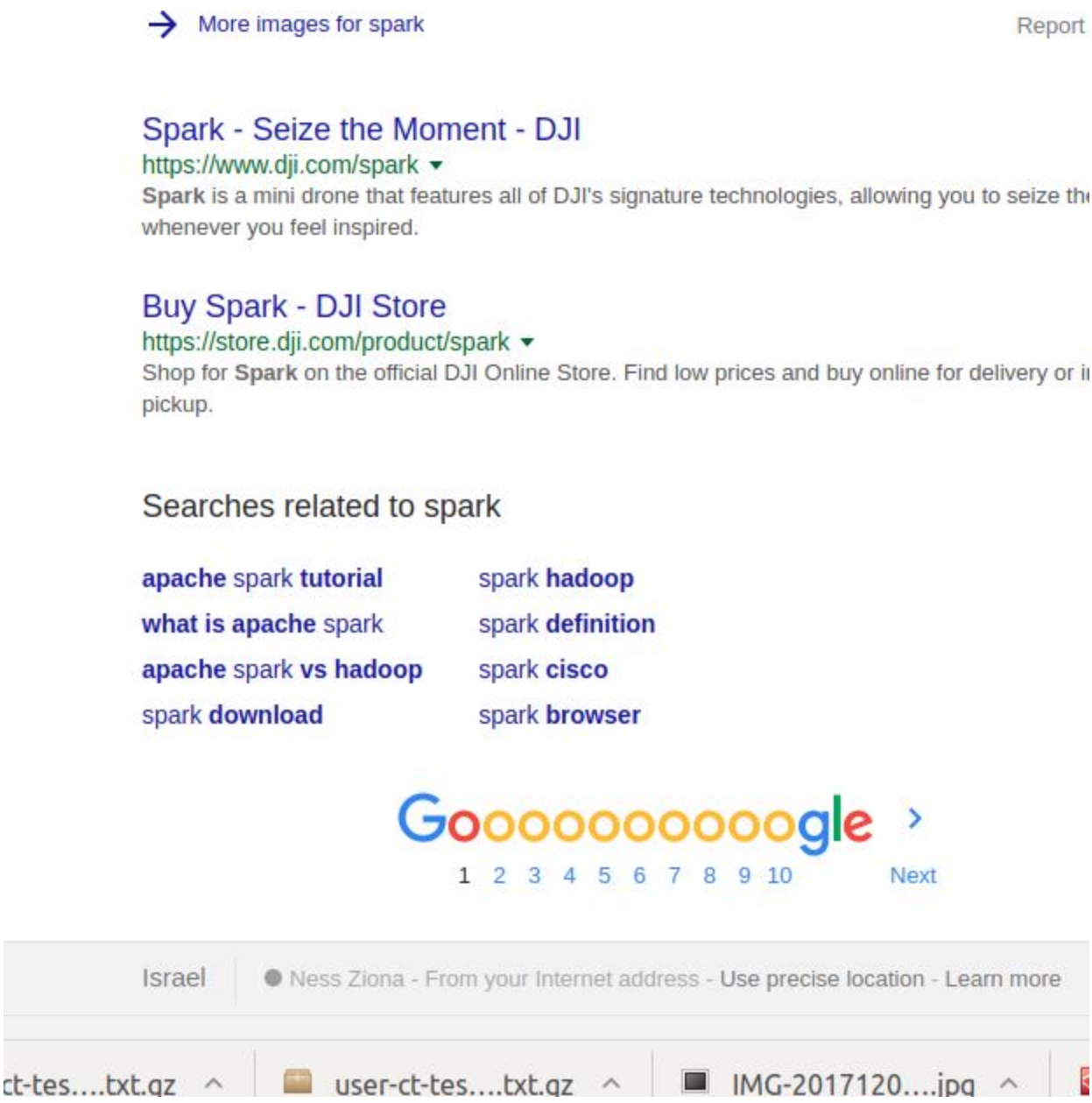
Targil 2

Submission until 31/May/2020

The goal of this exercise is to implement a rule based machine learning algorithm a weakened version of Associative rule learning algorithm. link

What we are trying to implement is similar to google feature of related searches.



Read this article *Using association rules to discover search engines related queries*

According rule associative rule learning algorithm.

Given pair of (user id , search query)
Discover related search queries.
For query Sx show {Sx} => {Sy} with confidence Cxy using associative rule learning algorithm.

1. Implement the algorithm and run it over search queries dataset the output should be Sx , Sy , confidence Sx => Sy with confidence
2. Save the output in a files
3. Prepare a document that explains the workflow of the algorithm.
4. Run the algorithm with 3 different confidence 0.6 / 0.8 / 0.9
    a. Write the amount related queries for each confidence
    b. Look for 3 interesting relations found in the date set
5. External library **is not** allowed.

A dataset for the algorithm can be found here link