

Assignment

An online newspaper has 10Mbytes of space available for its articles and must maximize the number of potential readers. Each published article has an author with a different number of followers, the newspaper must therefore publish, respecting the space available, articles written by authors with the maximum number of followers, trying to maximize the number of readers.

First find a greedy solution that provides an idea of the result and the number of followers/readers to expect, then refine this result using simulated annealing. Repeat the application of simulated annealing starting from a random solution and compare the two results found. Repeat the procedure using another optimization algorithm available that is NOT the genetic algorithm.

Optional Part Once the articles have been chosen, consider an ordering that places the best ones (i.e. written by authors with the greatest number of followers) in the first 2MBytes, in order to optimize the newspaper in the mobile version