KTH-CSC, Johan Karlander 2015–10–01

Homework 2, clarification

Many of you missed the point in the database question. I apologize for not being explicit enough. If you have been requested to hand in a new comment, here is what I meant.

The hypothesis H1 can be checked by a database search. Whether this search is slow or fast depends on the database architecture and on the search algorithm. The first case is an enormous file of records like "Banana, yellow" and "Raven, black". The second case is two enormous tables, one with ID+species and one with ID+color. Finding a certain ID or all IDs with a specific value is assumed to be quick. The third case is one relatively small file with IDs for ravens and one enormous file with ID for nonblack things. Again finding a certain ID is quick.

The time needed to find out if all ravens are black is different in these three cases. In other words, information increases slowly or quickly depending on the model, which may explain the paradox.

In the plaza, what is easiest observable, tall people or children? So what is the quickest way to check if all children are short?