Query Optimization
3. Exercise
Due November 13, 2017, 9 AM
submit via email (radke@in.tum.de)

Exercise 1
Give the query graphs for the two queries from the first exercise.

Exercise 2
Give an example query instance (query graph with selectivities and cardinalities) where the optimal join tree (using $C_{out}$) is bushy and includes a cross product. Note: the query graph should be connected!

Exercise 3
Using the program from the first exercise as a basis, implement a program that parses SQL queries, translates them into tinydb execution plans, and executes the query. Note: a canonical translation of the joins is fine, but push all predicates of the form $attr = const$ down to the base relations