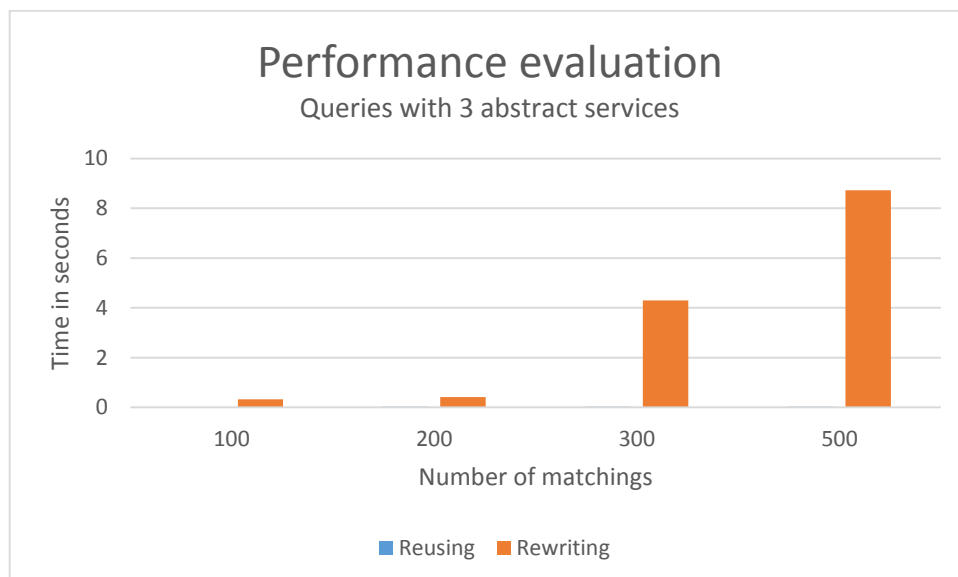
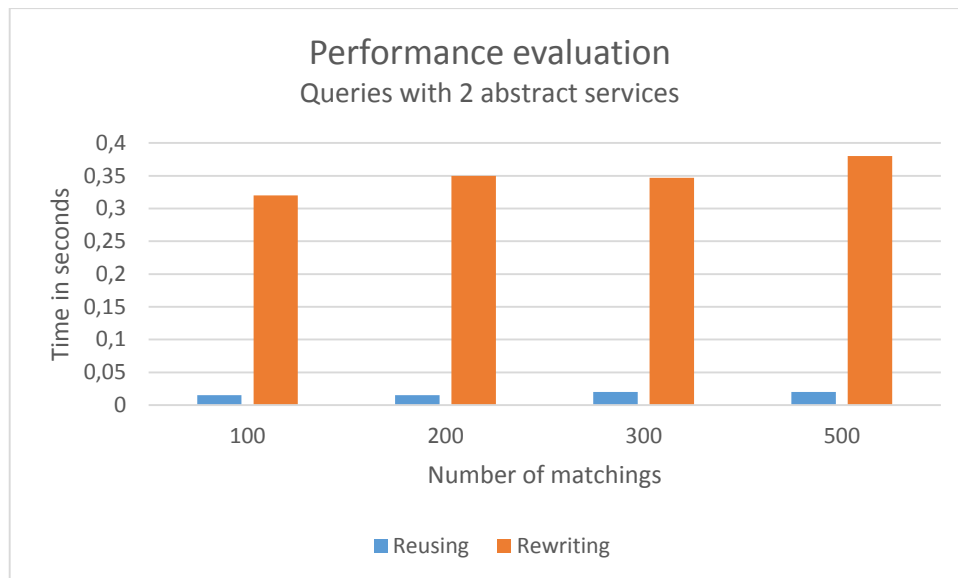


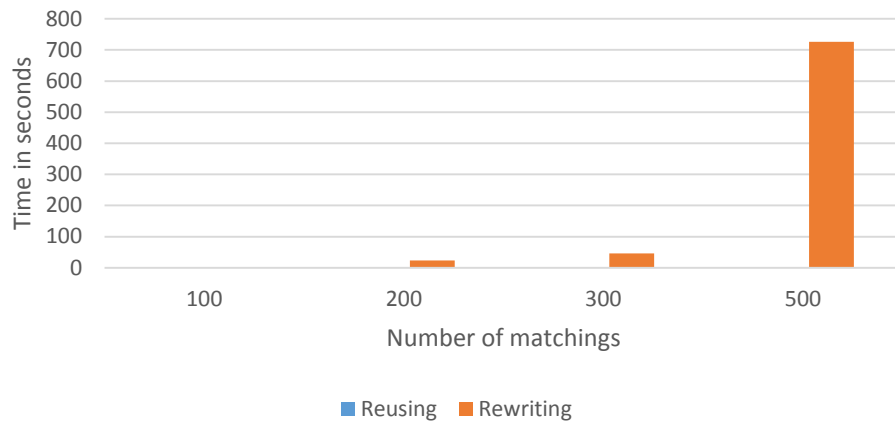
Experiment: I have compared the rewriting and reusing following the same idea of increasing the matching of queries and services.

As we can see, the performance of reusing is better than rewriting. The number of abstract services do not influence in the performance of the reusability approach. On the other hand, in the rewriting approach if the number of abstract services increase, the performance decreases a lot. For queries with five abstract services matching 500 data services, the rewriting time is long (hours) and the reusing time is lower the half of one second.



Performance evaluation

Queries with 4 abstract services



Performance evaluation

Queries with 5 abstract services

