

The following SQL query selects the queries that are completely equivalent to an incoming query. Note that to create this query we are assuming we have the information of user requirements and the abstract services as input.

```
select distinct q.id from tb_query_history q, tb_query_abstract a
where q.id = a.id_query and
    q.availability = 95.0 and
    q.response_time = 2.0 and
    q.price_per_call = 0.5 and
    q.authentication = 'yes' and
    q.privacy = 'yes' and
    q.trust = 'low' and
    q.degree_of_rawness = 'low' and
    q.veracity = 'reliable' and
    q.production_time = 'working hours' and
    q.production_rate = 2.0 and
    q.freshness = 'no' and
    q.provenance = 'not certified' and
    q.total_cost = 10.0 and
    q.total_response_time = 6.0 and
    q.id not in (select distinct qq.id from tb_query_history qq, tb_query_abstract aa
        where qq.id = aa.id_query and aa.id_abstract not in (1, 2, 3) and
        (select count(id_query) from tb_query_abstract where id_query =
            qq.id) < 3));
```