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));