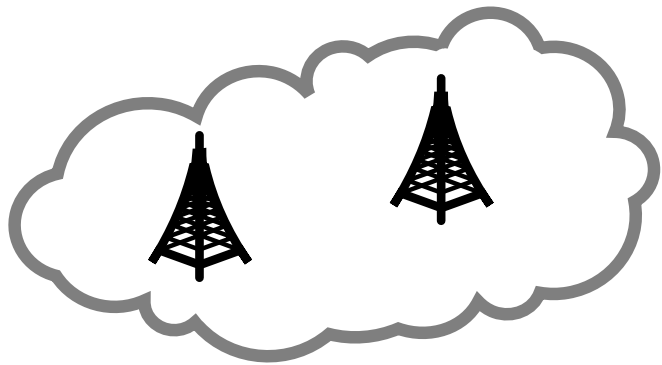
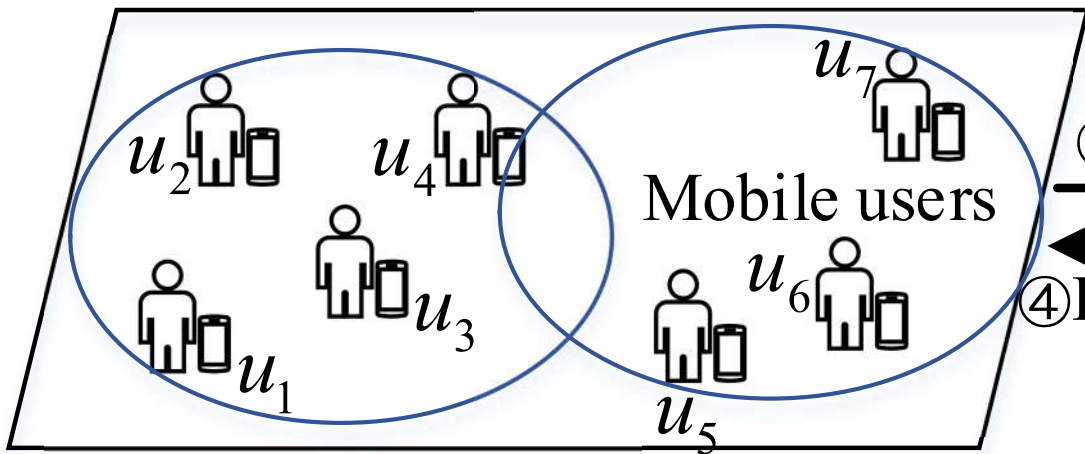


GPS



Communication network



① Query  $q_{u_i}$  of mobile user  $u_i$  is sent to the anonymizer.

② Cloaked query  $q'_{u_i}$  is sent to the LBS server.

③ The results are sent to the anonymizer.

④ The related results are sent to corresponding users.

