#sql medium 1264

with j as (

select distinct user1\_id, user2\_id from Friendship f1

union

select distinct user2\_id as user1\_id, user1\_id as user2\_id from Friendship f2

),

j1 as (

select user1\_id ,  user2\_id from j

where user1\_id = 1

)

select distinct page\_id as recommended\_page from Likes

where page\_id not in (select page\_id from Likes where user\_id = 1)

and page\_id in (select page\_id from Likes

where user\_id in (select user2\_id from j1))