

# 1264. Page Recommendations

## Description

Table: Friendship

Column Name	Type	
user1_id	int	
user2_id	int	

(user1\_id, user2\_id) is the primary key (combination of columns with unique values) for this table.  
Each row of this table indicates that there is a friendship relation between user1\_id and user2\_id.

Table: Likes

Column Name	Type	
user_id	int	
page_id	int	

(user\_id, page\_id) is the primary key (combination of columns with unique values) for this table.  
Each row of this table indicates that user\_id likes page\_id.

Write a solution to recommend pages to the user with `user_id = 1` using the pages that your friends liked. It should not recommend pages you already liked.

Return result table in **any order** without duplicates.

The result format is in the following example.

### Example 1:

**Input:**  
Friendship table:

user1_id	user2_id
1	2
1	3
1	4
2	3
2	4
2	5
6	1

Likes table:

user_id	page_id
1	88
2	23
3	24
4	56
5	11
6	33
2	77
3	77
6	88

**Output:**

recommended_page
23
24
56
33
77

**Explanation:**  
User one is friend with users 2, 3, 4 and 6.  
Suggested pages are 23 from user 2, 24 from user 3, 56 from user 3 and 33 from user 6.  
Page 77 is suggested from both user 2 and user 3.  
Page 88 is not suggested because user 1 already likes it.

