Source Code:

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def dfs(graph, user, visited):
    visited.add(user)
    total_friends = 0
    for friend in graph.get(user, []):
         if friend not in visited:
             total_friends += dfs(graph, friend, visited)
     return total_friends + 1
def find_most_influential_user(social_network):
    most_influential_user = None
    max_friends = -1
    for user in social_network:
        visited = set()
        friends_count = dfs(social_network, user, visited)
         if friends_count > max_friends:
            max friends = friends count
            most_influential_user = user
    return most_influential_user, max_friends - 1
social_network = {
    'A': ['B', 'C', 'D', 'E', 'F'],
    'B': ['M', 'N', 'O'],
     'C': ['I', 'J'],
    'D': ['X', 'Y', 'Z'],
    'E': ['P', 'Q'],
    'F': ['G', 'H']
1}
most_influential, num_connected_users = find_most_influential_user(social_network)
print(f"The most influential user is: {most_influential}")
print(f"Number of users connected to {most_influential}: {num_connected_users}")
```

Output: