

3

Reads the number of village people in the village (N) and the number of queries (K) from the first line. Initializes arrays 'parent' and 'size' to keep track of the representative and size of each friend circle. Reads the friendship queries and performs the union operation on the friend circles. Defines a function 'find-representative' to find the representative of a friend circle using the union-find algorithm. Defines a function 'union' to perform the union operation on two friend circles and update their representative and size accordingly. For each query, writes the size of the friend circle to the output file.