5) Quiz Record

PROBLEM DESCRIPTION

Write a program that will process queries based on a gradebook that records the scores of students in quizzes.

INPUT FORMAT

Input begins with two integers N and M, where N determines the number of students and M determines the number of quizzes. Succeeding lines are s integers arranged in an NxM matrix. Each s corresponds to student $N_i s$ score in quiz M_j.

The next line contains an integer T referring to the number of queries. This is followed by T queries. Each query comes in the following format $S_i Q_j$, where S is the uppercase letter 'S' (as in Student), i is an integer that determines the student's number in the gradebook, Q is the uppercase 'Q' (as in Quiz), and j is an integer that determines the quiz number. A query translates to: **"Print the score of Student i(S_i) in Quiz j(Q_j)."**

OUTPUT FORMAT

Print out what is asked for each query. Output should be separated by a newline character.

CONSTRAINTS

$$1 <= N <= 100$$
$$2 <= M <= 100$$
$$0 <= s <= 10$$
$$1 <= T <= 100$$
$$1 <= i <= N$$
$$1 <= j <= M$$

SAMPLE INPUT	SAMPLE OUTPUT
3 4 5 6 7 10 10 3 5 10 5 7 0 2 3 S1 Q3 S2 Q2 S3 Q4	7 3 2