

#### Game

Bibi and Jojo are playing a game called "Upper or Lower". In this game, Bibi will give Jojo array of characters then Bibi will say the query and Jojo must change the case of the character at the index of the query (index is 0-based). If a character is in its lower case, change it to the upper case and if a character is in its upper case, change it to the lower case.

#### Format Input

First line of input consists of integer N and M. N is the length of the array of characters and M is the total of query. The next line consist N-length array of character. The next M line consist the query.

#### Format Output

Output the resulting string after all the queries.

#### Constraints

- $1 \le N \le 200$
- $1 \le M \le 100$

## Sample Input 1 (standard input)

# UNIVERSITY

## Sample Output 1 (standard output)

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## Sample Input 2 (standard input)

10 7	
BIBIJOJOLI	
0	
3	
4	
8	
2	
3	
9	

## Sample Output 2 (standard output)

bIbIj0J0li

## Sample Input 3 (standard input)

5 3		
Hello		
0		
0		
1		

# Sample Output 3 (standard output)

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#### Game

Bibi dan Jojo sedang bermain sebuah permainan bernama "Upper or Lower". Pada permainan ini, Bibi akan memberikan Jojo sebuah array berisi huruf-huruf, kemudian Bibi akan memberikan pertanyaan dan Jojo harus mengubah huruf pada index yang sudah diminta Bibi (index dimulai dari 0). Jika sebuah huruf merupakan huruf kecil, maka ubah menjadi huruf kapital, dan jika sebuah huruf merupakan huruf kapital, maka ubah menjadi huruf kecil.

#### Format Input

Baris pertama berisi bilangan bulat N dan M. N adalah panjang dari array yang berisi huruf dan M adalah jumlah pertanyaan yang diberikan. Baris berikutnya adalah array yang berisi N huruf. M baris berikutnya merupakan pertanyaan yang diberikan oleh Bibi.

## Format Output

Keluarkan hasil akhir dari array berisi huruf yang sudah mengalami perubahan.

#### Constraints

- $1 \le N \le 200$
- 1 < M < 100

## Sample Input 1 (standard input)

5 3
Hello
0
1
3

## Sample Output 1 (standard output)

hElLo

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## Sample Input 2 (standard input)

10 7	
BIBIJOJOLI	
0	
3	
4	
8	
2	
3	
9	

## Sample Output 2 (standard output)

bIbIj0J0li

## Sample Input 3 (standard input)

5 3		
Hello		
0		
0		
1		

# Sample Output 3 (standard output)

HE11o

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