

"If Equal" in BF

your task is simple... you will read tow numbers a,b then print 1 if a==b or print 0 if a!=b

a and b are one_digit_numbers {0,1,2,3,4,5,6,7,8,9}.

NOTE : The Only Available language For This Problem Is BrainF*.**

Input

there are 10 test cases ... in each one there is:

one_digit_number **a**

followed by **space**

then one_digit_number **b**

followed by **end_of_line** character

Output

the logic value of a==b

Example

Input:

4 7

8 8

9 7

0 1

..

Output:

0

1

0

0

..

Score is your Code Length.