

286 Dead Or Not – That Is The Question

On a standard checkerboard (8×8 squares) the only black piece is the king. The only limitation to the number and kind of white pieces is the number of squares left (63). This means that apart from the black king there can be between zero and 63 white pieces on the board.

Your objective is to determine whether the black king is check mate or not.

Input and Output

Your input containing the description of the boards state is a 64-character string with each character representing a square on the board (row after row). The possible values for each character are:

<space>	no figure on this square
K	black king
b	white pawns
t	white rooks
s	white knights
l	white bishops
d	white queens
k	white kings

- PAWN: one of the chessmen of least value having the power to move only forward ordinarily one square at a time, to capture only diagonally forward, and be promoted to any piece except a king upon reaching the eighth rank
- ROOK: either of two pieces of the same color in a set of chessmen having the power to move along the ranks or files across any number of unoccupied squares. Also called castle
- KNIGHT: either of two pieces of the same color in a set of chessmen having an L-shaped move of two squares in one row and one square in a perpendicular row over squares that may be occupied
- BISHOP: either of two pieces of each color in a set of chessmen having the power to move diagonally across any number of adjoining unoccupied squares
- QUEEN: the most privileged piece of each color in a set of chessmen having the power to move in any direction across any number of unoccupied squares
- KING: the principal piece of each color in a set of chessmen having the power to move ordinarily one square in any direction and to capture opposing men but being obliged never to enter or remain in check

Suppose the checkerboard starts at the upper left corner with the field a/1. Therefore white is playing upwards (Starting at g-h/1-8).

The output consists of only a word YES or NO.

Sample Input

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Kbbbbbbbtlttttttbbbbbbbsssssssbbbbbbbl1111111bbbbbbbsldklst
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Sample Output

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NO
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