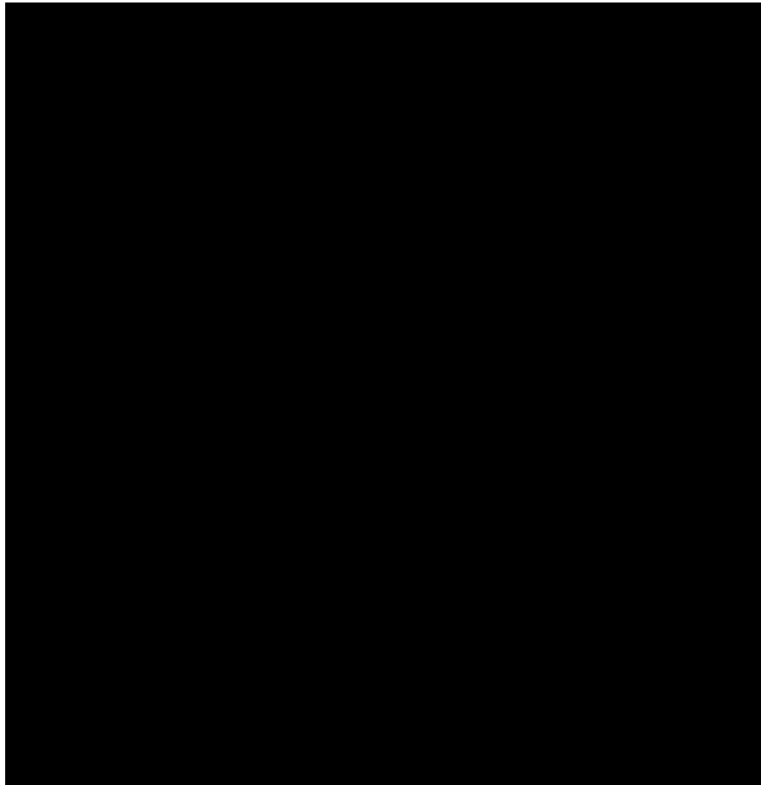
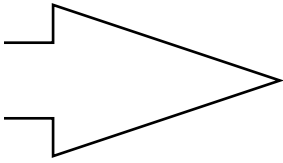


Input

Input

Black Box

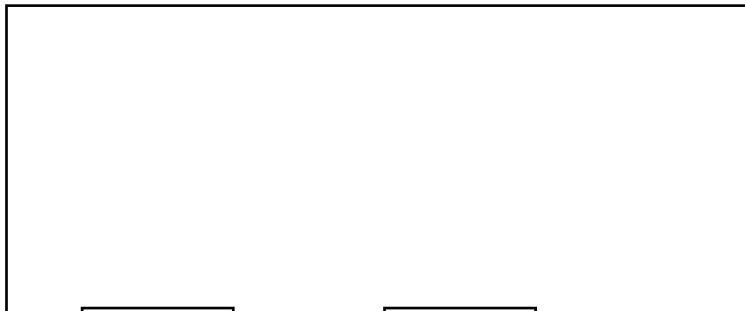
ut



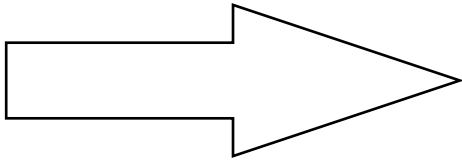
White Box

ut

~



Output



Output

7

