

READ/WRITE

$A$

$A$

$A$

$A$

INPUT/OUTPUT

$A$

The diagram illustrates a system with a yellow parallelogram background. On the left, a light blue rectangle represents internal state, labeled with the variable  $A$ . To its right are three horizontal pink rectangles, each also labeled with  $A$ , representing a stack or memory. A double-headed white arrow connects the blue rectangle to the top pink rectangle. A large white arrow points from the bottom of the blue rectangle down to a horizontal line at the bottom of the diagram, which is labeled with  $A$ . The text 'READ/WRITE' is at the top and 'INPUT/OUTPUT' is at the bottom of the yellow area.