Greetings ALU/Memory! Your job as the Arithmetic/Logic Unit (ALU) is to perform simple addition and subtraction operations on \( x \) and \( y \) as requested by the CPU. In addition, your job as the computer Memory is to keep track of the current values of \( x \) and \( y \), so that you can tell the CPU what they are when asked.

Use the table below to record the values. Initially, both \( x \) and \( y \) are set to 0.

\[
\begin{array}{cc}
  x & y \\
  0 & 0 \\
\end{array}
\]