1

1) Control unit

2) registers

3) ALU

4) Input / output

5) main memory

2)

          B   9

      1 0 1 1   1 0 0 1

        −128 + 32 + 16 + 8 + 1

3   −256 to 255

current input value + previous

only current

$$
\begin{array}{cc}
0\ 0\ 1\ 1 & 1\ 1\ 1\ 0 \\
0\ 1\ 1\ 1 & 1\ 0\ 1\ 0 \\
1\ 0\ 0\ 0 & 0\ 1\ 0\ 1 \\
 & 1 \\
\hline
1\ 0\ 0\ 0 & 1\ 0\ 1\ 0
\end{array}
$$

$$0011 \quad 1110$$
$$\overline{1100 \quad 0100}$$

-128   64   4

-60