

predznačenih števil. Vsa števila naj bodo zapisana na osmih bitih

60, -55, 78, -99, -127, 3 76543210

Primer:

$$60_{(10)} \cdot (-1)^0 \cdot (2^5 + 2^4 + 2^3 + 2^2) = 00111100_{(2)}$$

$$-55_{(10)} \cdot (-1)^1 \cdot (2^5 + 2^4 + 2^2 + 2^1 + 2^0) = 10110111_{(2)}$$

$$78_{(10)} \cdot (-1)^0 \cdot (2^6 + 2^3 + 2^2 + 2^1) = 01001110_{(2)}$$

$$-99_{(10)} \cdot (-1)^1 \cdot (2^6 + 2^5 + 2^1 + 2^0) = 11100011_{(2)}$$

$$-127_{(10)} \cdot (-1)^1 \cdot (2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 + 2^0) = 11111111_{(2)}$$

$$3_{(10)} \cdot (-1)^0 \cdot (2^1 + 2^0) = 00000011$$

Rezultat

20DM140M

$$60: 60 + 127 = 187 = 2^7 + 2^5 + 2^3 + 2^1 + 2^0 = 10111011$$

$$-55: -55 + 127 = 72 = 01001000$$

$$78: 78 + 127 = 205 = 11001101$$

$$-99: -99 + 127 = 28 = 00011100$$

$$-127: -127 + 127 = 0 = 00000000$$

$$3: 3 + 127 = 130 = 10000010$$

Števila komplement

$$60: 00111100 \rightarrow 11000011$$

$$-55: 00110111 \rightarrow 11001000$$

$$78: 01001110$$

$$-99: 01100011 \rightarrow 10011100$$

$$-127: 01111111 \rightarrow 10000000$$

$$3: 00000011$$

Števila komplement

$$60: 00111100$$

$$-55: 00110011 \rightarrow 11001000$$

$$+ \begin{array}{r} 1 \\ \hline 11001001 \end{array}$$

$$78: 01001110$$

$$-99: 01100011 \rightarrow 10011100$$

$$+ \begin{array}{r} 1 \\ \hline 10011101 \end{array}$$

$$-127: 01111111 \rightarrow 10000000$$

$$+ \begin{array}{r} 1 \\ \hline 10000001 \end{array}$$

$$3: 00000011$$