

Laboratory 2

Task: 4

Table presents algorithm for assigning 8-bit values to 32-bit value.

Lp.	ToDisp0_3	Disp0	Disp1	Disp2	Disp3	Action
(1)	0x00000000	0xB0	0xA4	0xF9	0xFF	OR(ToDisp0_3, Disp0)
(2)	0xFFFFFB0	0xB0	0xA4	0xF9	0xFF	Shift 8 bits to left
(3)	0xFFFFB000	0xB0	0xA4	0xF9	0xFF	OR(ToDisp0_3, Disp1)
(4)	0xFFFFB0A4	0xB0	0xA4	0xF9	0xFF	Shift 8 bits to left
(5)	0xFFB0A400	0xB0	0xA4	0xF9	0xFF	OR(ToDisp0_3, Disp2)
(6)	0xFFB0A4F9	0xB0	0xA4	0xF9	0xFF	Shift 8 bits to left
(7)	0xB0A4F900	0xB0	0xA4	0xF9	0xFF	OR(ToDisp0_3, Disp3)
(8)	0xB0A4F9FF	0xB0	0xA4	0xF9	0xFF	Stop