

### GGT 16-Bit Testprogramm

ram(0) <= "0110" & "000000000000";	-- IN A	X
ram(1) <= "0010" & "000000011111";	-- STORE M(31)	X
ram(2) <= "0110" & "000000000000";	-- IN A	Y
ram(3) <= "0010" & "000000011110";	-- STORE M(30)	Y
ram(4) <= "0001" & "000000011111";	-- LOAD M(31)	
ram(5) <= "0010" & "000000011101";	-- STORE M(29)	
ram(6) <= "0100" & "000000011110";	-- SUB A - M(30)	X - Y
ram(7) <= "0111" & "000000010001";	-- JZ M(17)	
ram(8) <= "1000" & "000000001101";	-- JPOS M(13)	
ram(9) <= "0001" & "000000011110";	-- LOAD M(30)	
ram(10) <= "0100" & "000000011111";	-- SUB A - M(31)	Y - X
ram(11) <= "0010" & "000000011110";	-- STORE M(30)	
ram(12) <= "1001" & "000000000100";	-- J M(4)	
ram(13) <= "0001" & "000000011111";	-- LOAD M(31)	
ram(14) <= "0100" & "000000011110";	-- SUB A - M(30)	X - Y
ram(15) <= "0010" & "000000011111";	-- STORE M(31)	
ram(16) <= "1001" & "000000000100";	-- J M(4)	
ram(17) <= "0001" & "000000011101";	-- LOAD M(29)	
ram(18) <= "0110" & "000000000001";	-- OUT A	
ram(19) <= "1001" & "000000000000";	-- J M(0)	
ram(29) <= "0000000000000000";	-- M(29) <= 0	
ram(30) <= "0000000000000000";	-- M(30) <= 0	
ram(31) <= "0000000000000000";	-- M(31) <= 0	

### GGT 8-Bit Testprogramm

ram(0) <= "00000000" & "100" & "00000";	-- IN A	X
ram(1) <= "00000000" & "001" & "11111";	-- STORE M(31)	X
ram(2) <= "00000000" & "100" & "00000";	-- IN A	Y
ram(3) <= "00000000" & "001" & "11110";	-- STORE M(30)	Y
ram(4) <= "00000000" & "000" & "11111";	-- LOAD M(31)	
ram(5) <= "00000000" & "001" & "11101";	-- STORE M(29)	
ram(6) <= "00000000" & "011" & "11110";	-- SUB A - M(30)	X - Y
ram(7) <= "00000000" & "101" & "10001";	-- JZ M(17)	
ram(8) <= "00000000" & "110" & "01101";	-- JPOS M(13)	
ram(9) <= "00000000" & "000" & "11110";	-- LOAD M(30)	
ram(10) <= "00000000" & "011" & "11111";	-- SUB A - M(31)	Y - X
ram(11) <= "00000000" & "001" & "11110";	-- STORE M(30)	
ram(12) <= "00000000" & "111" & "00100";	-- J M(4)	
ram(13) <= "00000000" & "000" & "11111";	-- LOAD M(31)	
ram(14) <= "00000000" & "011" & "11110";	-- SUB A - M(30)	X - Y
ram(15) <= "00000000" & "001" & "11111";	-- STORE M(31)	
ram(16) <= "00000000" & "111" & "00100";	-- J M(4)	
ram(17) <= "00000000" & "000" & "11101";	-- LOAD M(29)	
ram(18) <= "00000000" & "100" & "00001";	-- OUT A	
ram(19) <= "00000000" & "111" & "00000";	-- J M(0)	
ram(29) <= "00000000000000000000";	-- M(29) <= 0	
ram(30) <= "00000000000000000000";	-- M(30) <= 0	
ram(31) <= "00000000000000000000";	-- M(31) <= 0	