20LAR
cnc_hit = (bit[5:0] == 6'b101000) & ((cmd == 4'b0000) | (cmd == 4'b0001)) | (cmd == 4'b0111) | (bit[5:0] == 6'b101001) & ((cmd == 4'b0010) | (cmd == 4'b0011)) | (cmd == 4'b0111) | (cmd == 4'b1011) | (bit[5:0] == 6'b101010) & (cmd == 4'b0100)) | (cmd == 4'b0111) | (cmd == 4'b1011) | (bit[5:0] == 6'b101011) & ((cmd == 4'b0101) | (cmd == 4'b0110)) | (cmd == 4'b0111) | (cmd == 4'b1011) | (bit[5:0] == 6'b101100) & ((cmd == 4'b0000) | (cmd == 4'b0001)) | (cmd == 4'b0111) | (cmd == 4'b1011) | (bit[5:0] == 6'b101101) & ((cmd == 4'b0010) | (cmd == 4'b0011)) | (cmd == 4'b0111) | (cmd == 4'b1011) | (bit[5:0] == 6'b101110) & ((cmd == 4'b0100) | (cmd == 4'b0101)) | (cmd == 4'b0111) | (cmd == 4'b1011) | (bit[5:0] == 6'b101111) & ((cmd == 4'b0110) | (cmd == 4'b0111)) | (cmd == 4'b1011) | (cmd == 4'b1111)