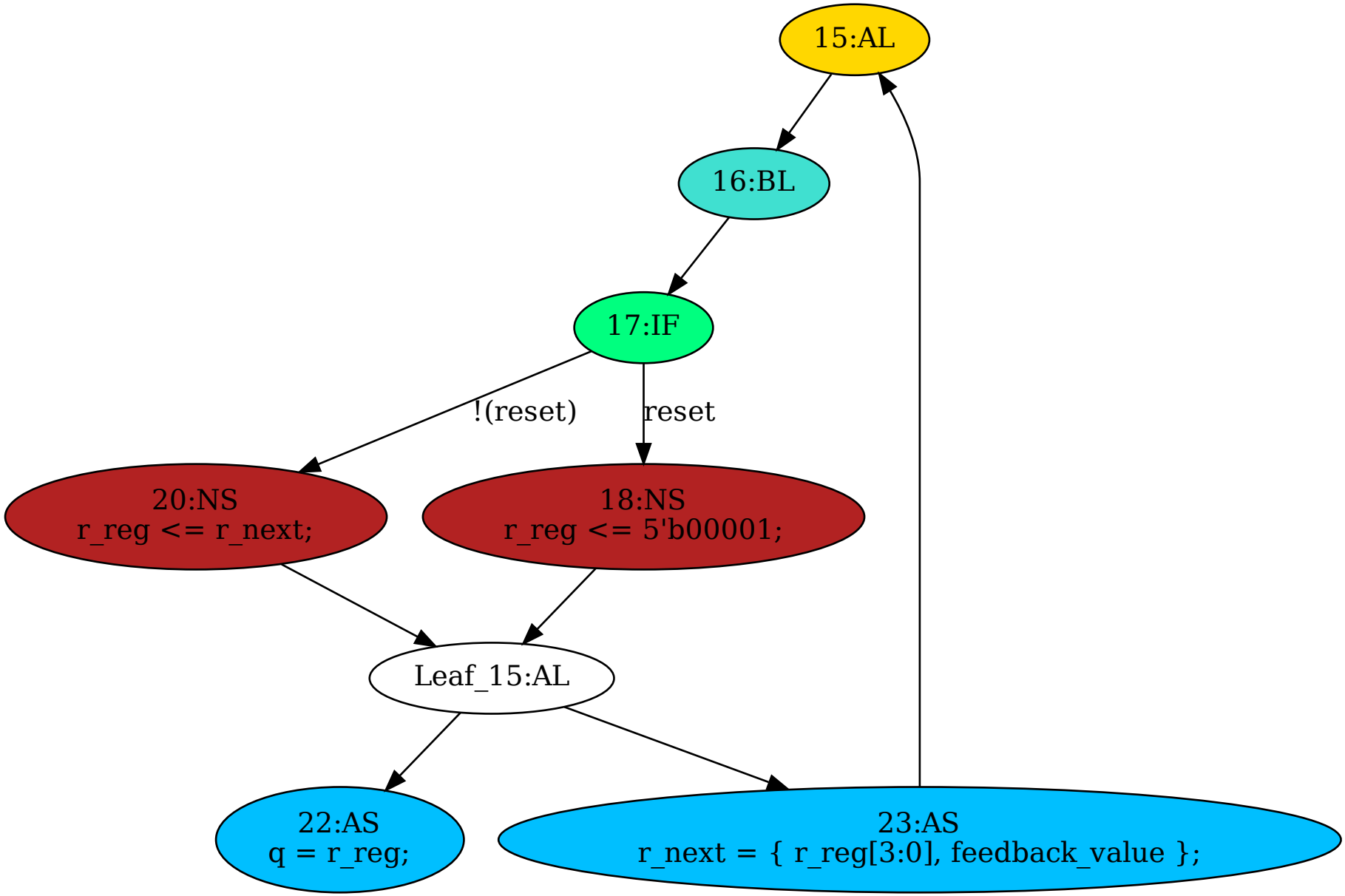
15:AL
16:BL
17:IF
!(reset)
reset
20:NS
r_reg <= r_next;
18:NS
r_reg <= 5'b00001;
Leaf_15:AL
22:AS
q = r_reg;
23:AS
r_next = { r_reg[3:0], feedback_value };