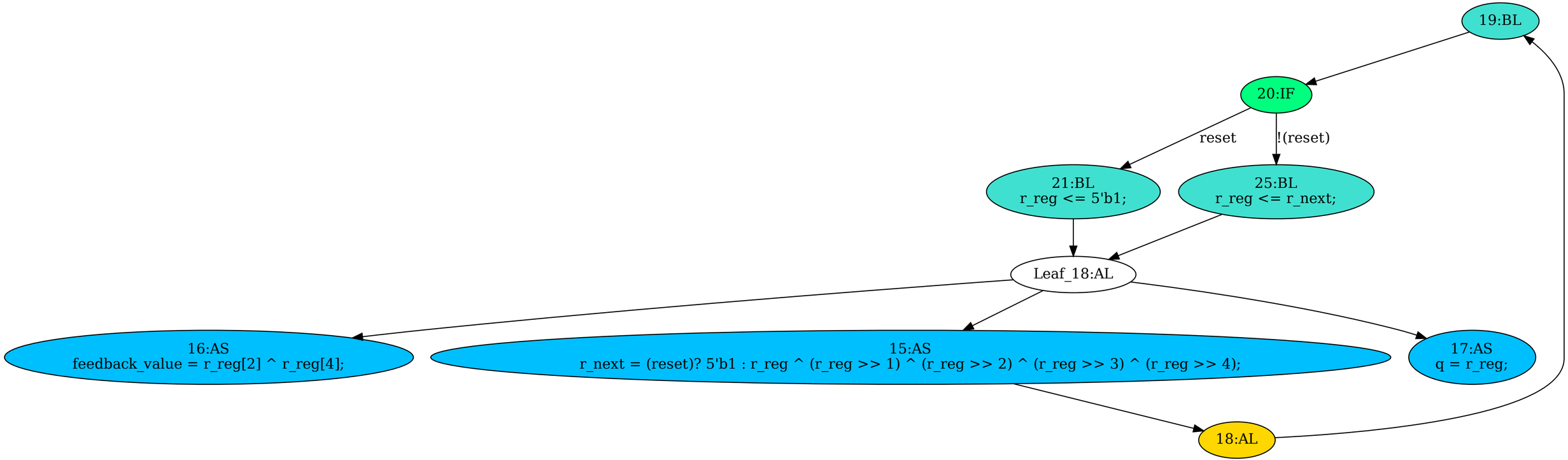
19:BL
20:IF
reset
!(reset)
21:BL
r_reg <= 5'b1;
25:BL
r_reg <= r_next;
Leaf_18:AL
16:AS
feedback_value = r_reg[2] ^ r_reg[4];
15:AS
r_next = (reset)? 5'b1 : r_reg ^ (r_reg >> 1) ^ (r_reg >> 2) ^ (r_reg >> 3) ^ (r_reg >> 4);
17:AS
q = r_reg;
18:AL