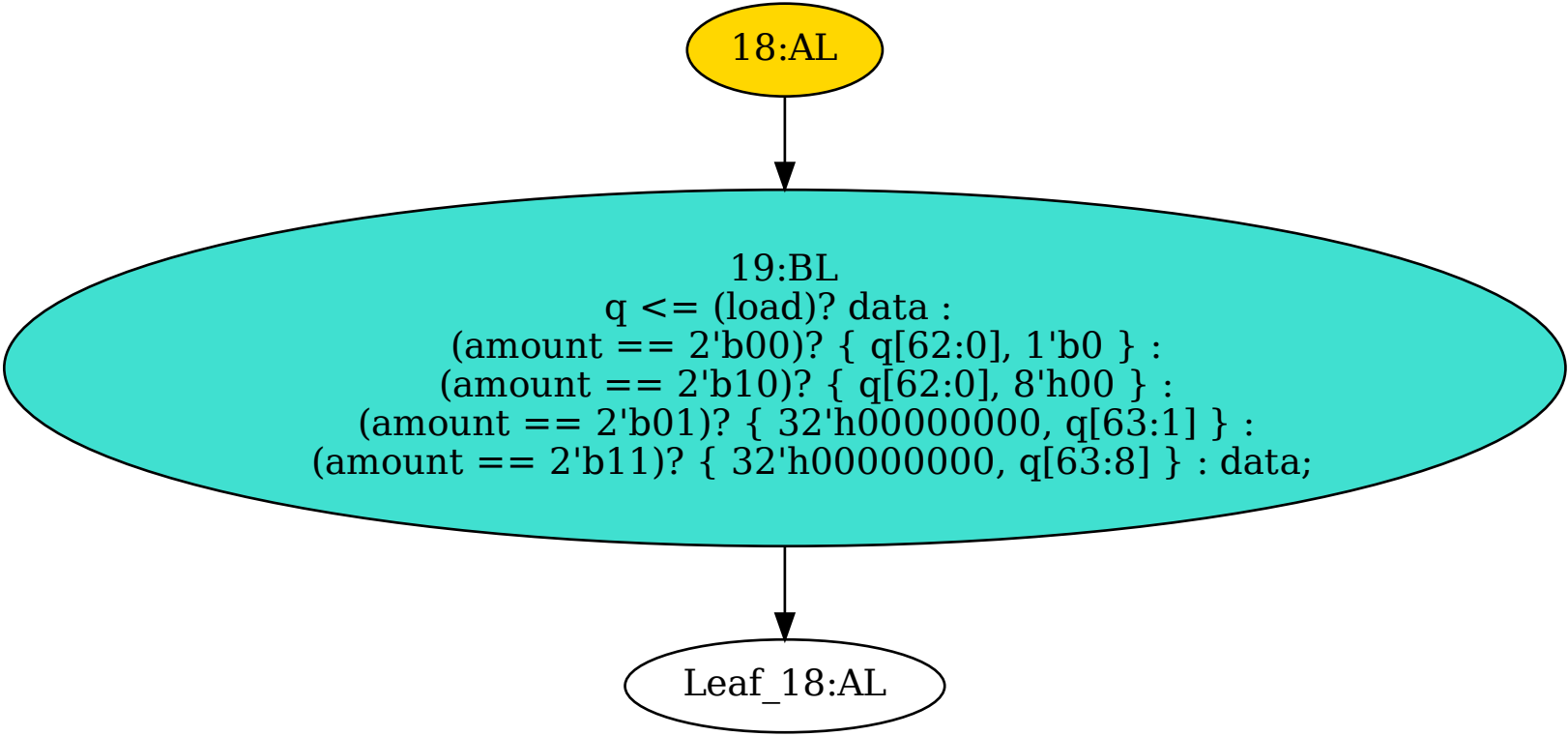


18:AL



```
graph TD; A([18:AL]) --> B([19:BL  
q <= (load)? data :  
  (amount == 2'b00)? { q[62:0], 1'b0 } :  
  (amount == 2'b10)? { q[62:0], 8'h00 } :  
  (amount == 2'b01)? { 32'h00000000, q[63:1] } :  
  (amount == 2'b11)? { 32'h00000000, q[63:8] } : data;]); B --> C([Leaf_18:AL]);
```

```
19:BL
q <= (load)? data :
  (amount == 2'b00)? { q[62:0], 1'b0 } :
  (amount == 2'b10)? { q[62:0], 8'h00 } :
  (amount == 2'b01)? { 32'h00000000, q[63:1] } :
  (amount == 2'b11)? { 32'h00000000, q[63:8] } : data;
```

Leaf\_18:AL