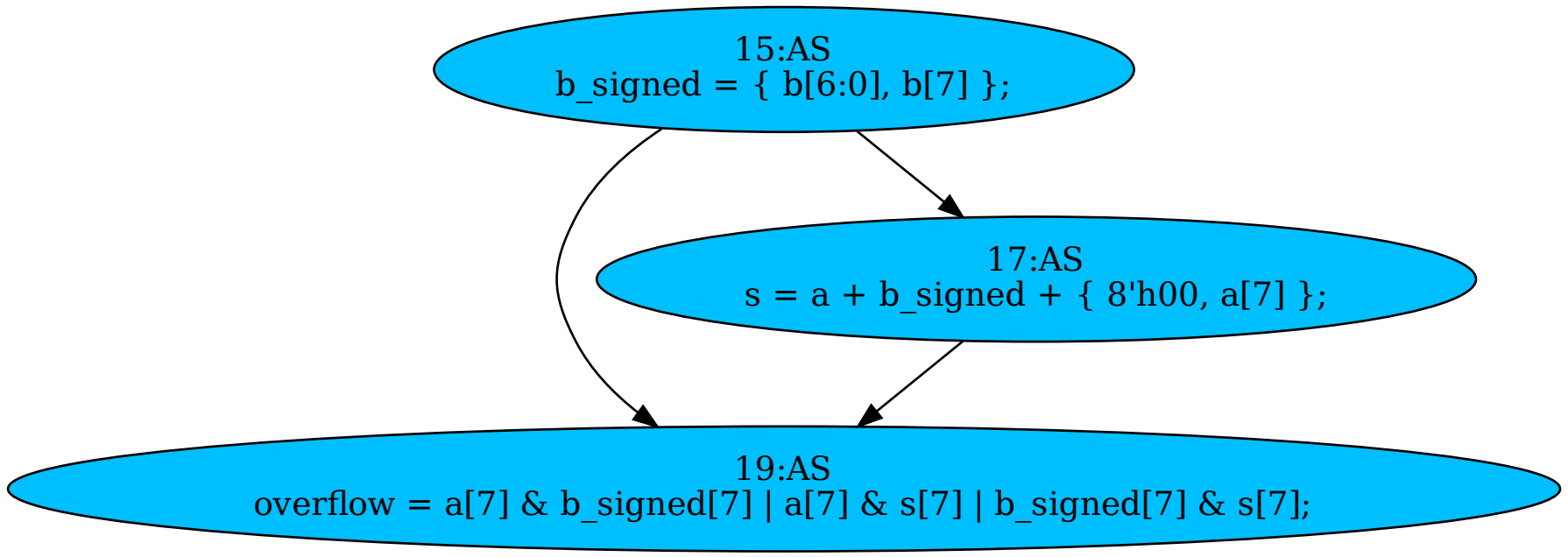


15:AS
b_signed = { b[6:0], b[7] };

17:AS
s = a + b_signed + { 8'h00, a[7] };

19:AS
overflow = a[7] & b_signed[7] | a[7] & s[7] | b_signed[7] & s[7];



```
graph TD; N1([15:AS  
b_signed = { b[6:0], b[7] };]) --> N2([17:AS  
s = a + b_signed + { 8'h00, a[7] };]); N1 --> N3([19:AS  
overflow = a[7] & b_signed[7] | a[7] & s[7] | b_signed[7] & s[7];]); N2 --> N3;
```