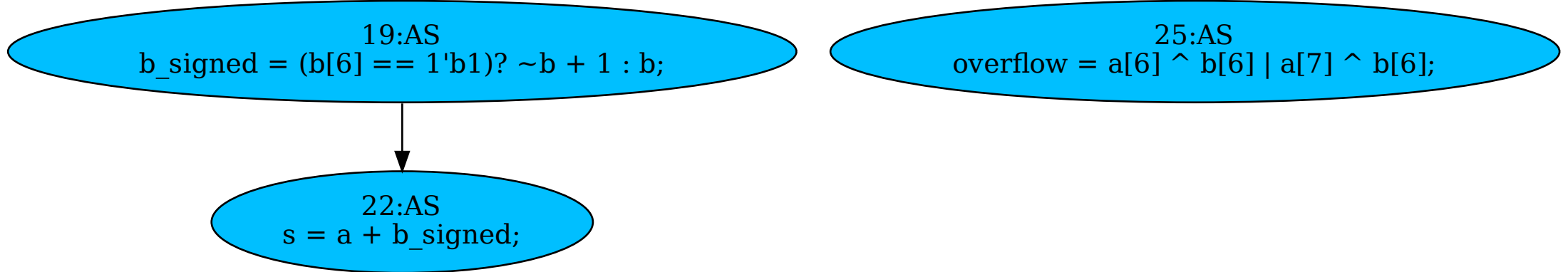


19:AS
b_signed = (b[6] == 1'b1)? ~b + 1 : b;



```
graph TD; 19[19:AS  
b_signed = (b[6] == 1'b1)? ~b + 1 : b;] --> 22[22:AS  
s = a + b_signed;]; 25[25:AS  
overflow = a[6] ^ b[6] | a[7] ^ b[6];]
```

25:AS
overflow = a[6] ^ b[6] | a[7] ^ b[6];

22:AS
s = a + b_signed;