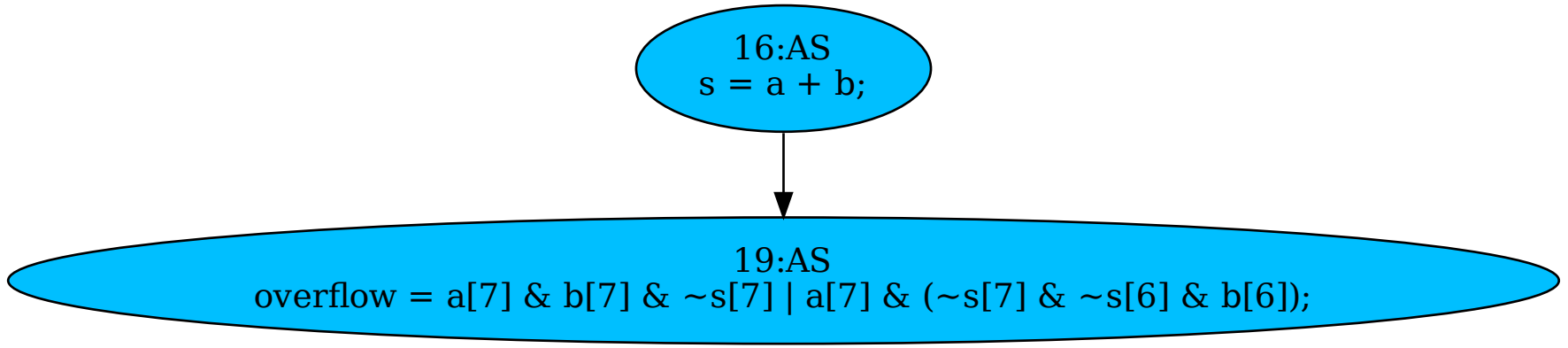


16:AS
s = a + b;



```
graph TD; A([16:AS  
s = a + b;]) --> B([19:AS  
overflow = a[7] & b[7] & ~s[7] | a[7] & (~s[7] & ~s[6] & b[6]);]);
```

A flowchart with two nodes. The top node is a light blue oval containing the text '16:AS' and 's = a + b;'. A black arrow points downwards from this node to a second, larger light blue oval. The second oval contains the text '19:AS' and a complex overflow-checking expression: 'overflow = a[7] & b[7] & ~s[7] | a[7] & (~s[7] & ~s[6] & b[6]);'.

19:AS
overflow = a[7] & b[7] & ~s[7] | a[7] & (~s[7] & ~s[6] & b[6]);