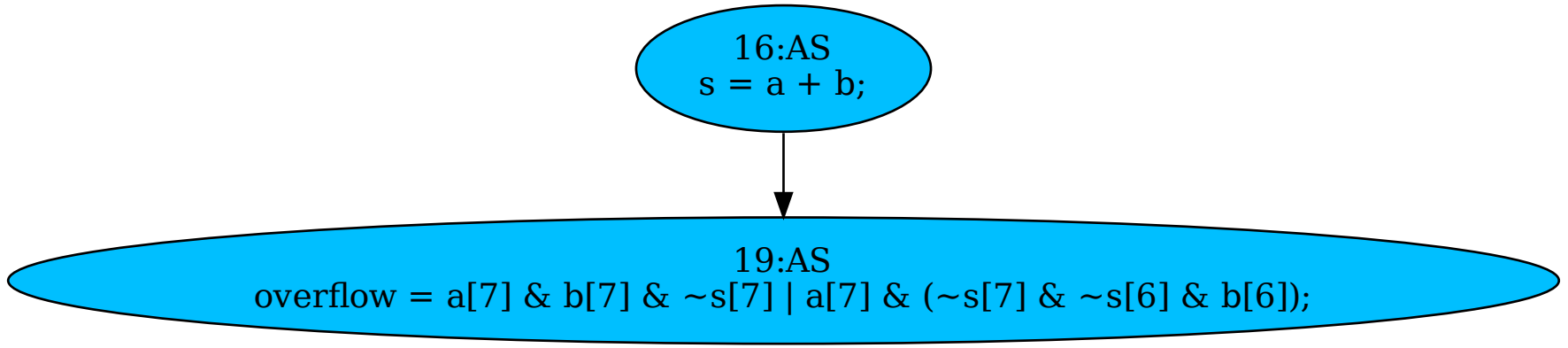


16:AS  
s = a + b;



```
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 illustrating a transformation of a code snippet. It starts with a small blue oval at the top containing the code '16:AS' and 's = a + b;'. A black arrow points down from this oval to a larger blue oval at the bottom. The bottom oval contains the code '19:AS' followed by 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]);