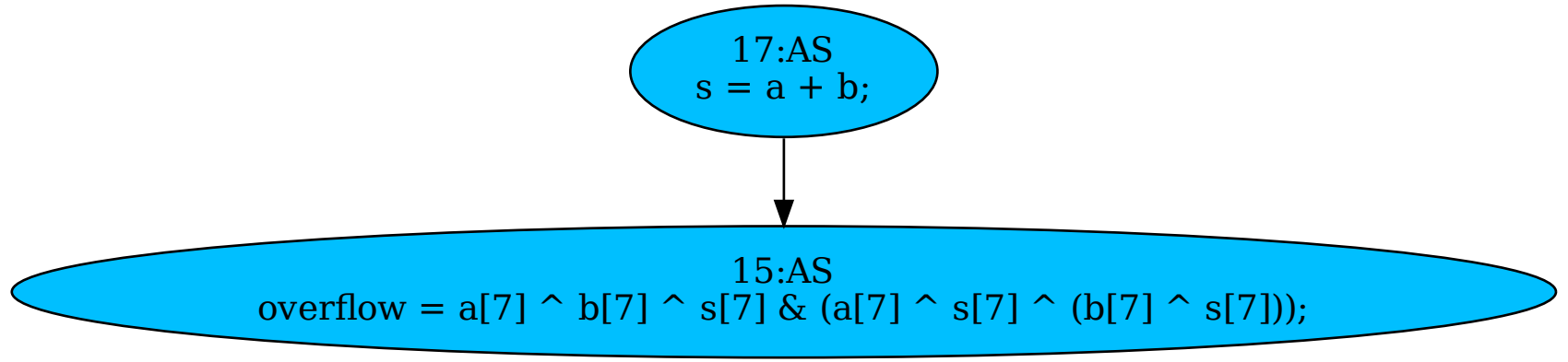


17:AS  
 $s = a + b;$



```
graph TD; A([17:AS  
s = a + b;]) --> B([15:AS  
overflow = a[7] ^ b[7] ^ s[7] & (a[7] ^ s[7] ^ (b[7] ^ s[7]));]);
```

15:AS  
 $\text{overflow} = a[7] \wedge b[7] \wedge s[7] \& (a[7] \wedge s[7] \wedge (b[7] \wedge s[7]));$