

```
graph TD; A([15:AS  
s = a + b;]) --> B([16:AS  
overflow = a[7] ^ b[7] && s[7] ^ s[0];]);
```

15:AS  
 $s = a + b;$

16:AS  
 $\text{overflow} = a[7] \wedge b[7] \ \&\& \ s[7] \wedge s[0];$