

14:AS  
s = a + b;

```
graph TD; A([14:AS  
s = a + b;]) --> B([15:AS  
overflow = (a[7] == 0) && (b[7] == 0) && (s[7] == 1);]);
```

15:AS  
overflow = (a[7] == 0) && (b[7] == 0) && (s[7] == 1);