

15:AS  
s = a + b;

```
graph TD; A([15:AS  
s = a + b;]) --> B([16:AS  
overflow = ((a[7] == 1) && (b[7] == 1) && (s[7] === 1)) ? 1 :  
((a[7] == 0) && (b[7] == 0) && (s[7] === 0)) ? 1 : 0;]);
```

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