

15:AS
s = a + b;

```
graph TD; A([15:AS  
s = a + b;]) --> B([16:AS  
overflow = (a[7] == b[7])? (a[7] == s[7])? 1'b1 : 1'b0 : 1'b0;]);
```

A flow diagram with two nodes. The top node is a light blue oval containing the text '15:AS' and 's = a + b;'. A black arrow points downwards from this node to a second, larger light blue oval. The second oval contains the text '16:AS' and a complex ternary expression for 'overflow'.

16:AS
overflow = (a[7] == b[7])? (a[7] == s[7])? 1'b1 : 1'b0 : 1'b0;