

 $16: AS \\ overflow = (a[7] == 1'b0) \&\& (b[7] == 1'b0) \&\& (s[7] == 1'b1) || (a[7] == 1'b1) \&\& (b[7] == 1'b1) \&\& (s[7] == 1'b0);$