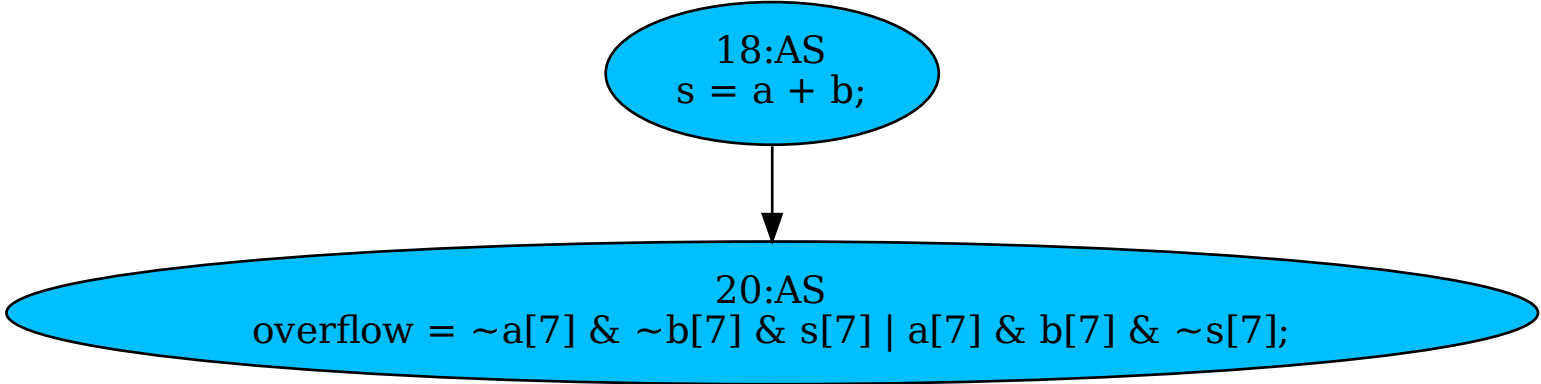


18:AS  
 $s = a + b;$



20:AS  
 $\text{overflow} = \sim a[7] \ \& \ \sim b[7] \ \& \ s[7] \ | \ a[7] \ \& \ b[7] \ \& \ \sim s[7];$