From the bdd of $Dff(g9|g5)$, we can see that it's not equal to constant. From the function of g9, we can see that

$$g9 = f * g8 * g5 = f(abd + bcd + abc'e)(bd + c'e)$$

and when g5 = 0:

$$g9 = f * g8 * 0 = 0$$

So $Dff(g9|g5) = g9|_{g5=1} \oplus g9|_{g5=1} = g9|_{g5=1}$

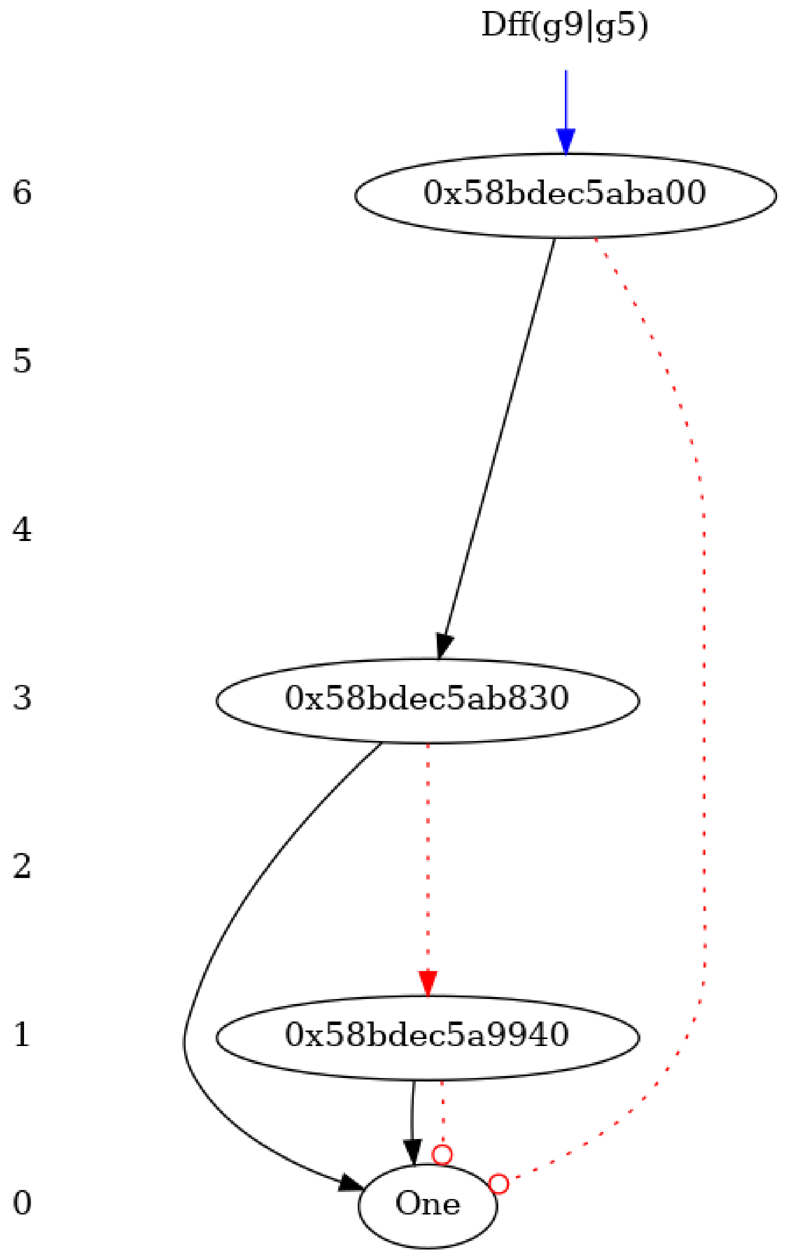
When g5 = 1, implying bd = 1 or c'e = 1, so:

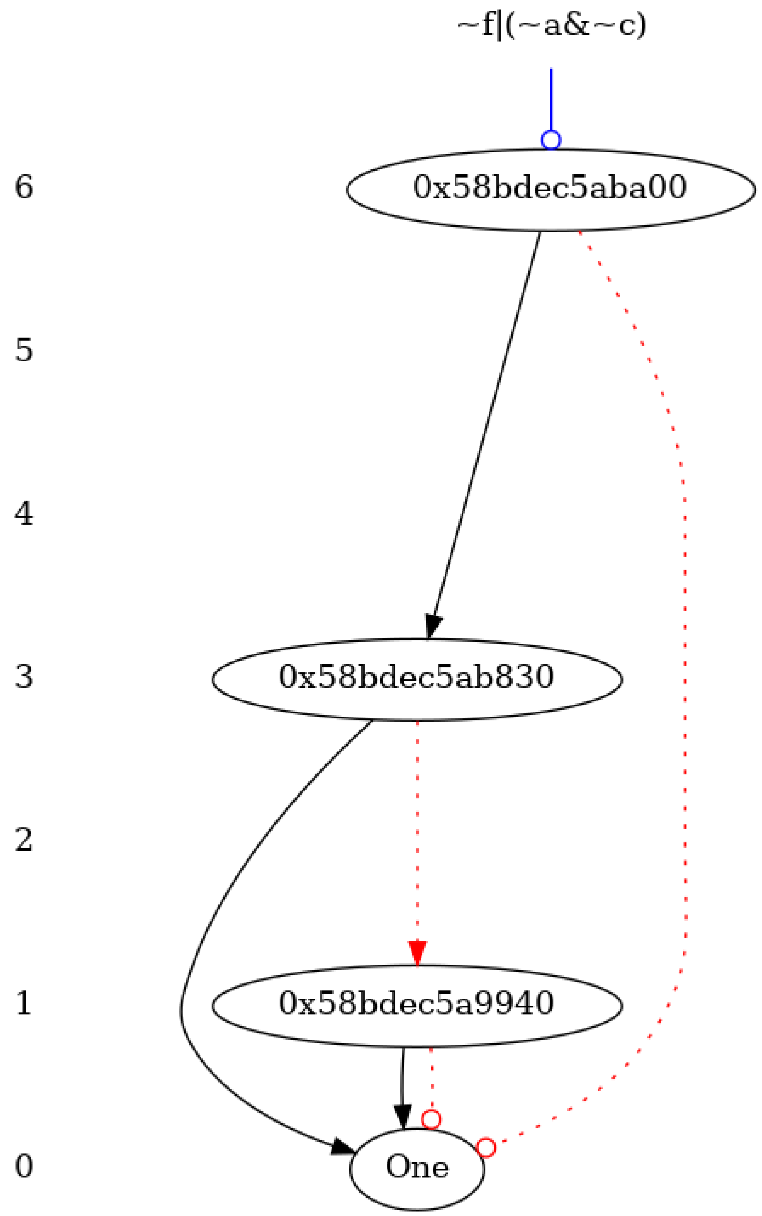
$$g9|_{g5=1} = g9|_{bd=1} + g9|_{c'e=1} = (af + cf) + (abf) = af + cf$$

So we can know the new condition to conjunct is $af + cf \equiv 0$, which is

$$(af + cf)' = f' + a'c'$$

To verify this with bdd, we create the bdd of $f' + a'c'$, $Dff(g9|g5)$, and the conjunct of the two, we can see that the result become a constant 0, which means $f' + a'c'$ is indeed the missing condition to make $Dff(g9|g5)$ a constant 0.

$Dff(g9 \mid g5)$	Dff(g9|g5) 6 0x58bdec5aba00 5 4 3 0x58bdec5ab830 2 1 0x58bdec5a9940 0 One

$f' + a'c'$	
Conjunction result