

source code:
 $t = a[0] \wedge a[1] \wedge a[2] \wedge a[3]$
 $u = a[0]$
 $a[0] \wedge = t \wedge \text{xtime}(a[0] \wedge a[1])$
 $a[1] \wedge = t \wedge \text{xtime}(a[1] \wedge a[2])$
 $a[2] \wedge = t \wedge \text{xtime}(a[2] \wedge a[3])$
 $a[3] \wedge = t \wedge \text{xtime}(a[3] \wedge u)$

