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4. a) \exp_{t} \to \exp_{t} | term \{ \exp_{t} : t = \exp_{t} : t | term : \} \}

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```
expr > termi
                                               expr.t=0
     > term & temp
                                               term
     -> temp'&' temp
                                        term.tol &
     -> factor & temp
                                       temptel
     -> 1 18' temp
    > 1 '&' factor
    -> 1'&' (expr)
    → / や(expr'l'term)
                                                             factor.t=1
    → / '&' (term'l'term)
   → 1 '&' (temp'/term)
   → 1 '&' (factor '1' term)
   -> 1 '&' (0 '1' temp)
   → 1 '&' (0')' u factor)
→ 1 '&' (0')'~1)
```