```
16, 12,21
  TDT4136.
                                 10390
  Task: 1
(1)
        Ь
                   6=> 2 7a => (6=>c) . a VC b=> (a Vc)
    a
             C
                70
        T
             0
                 0
             1
    T
        0
                 0
         6
             Q
                 0
                                      1
    0
    6
         1
                 1
                                      0
                     6
             Ó
                            0
        0
                 T
    0
                                      5
    0
        0
                 I
             0
                                      0
     7 9 = > (6 = > () and b = > (avc) are
        logically equivalent (by looking at the table.
    7a => (b=> c) is satisfiable, but not valid
(2)
  A <=> B
  (A=>B) 1 (B=>A) biditectional elimination
 ((7AVB) 1 (7BVA) (Obtra Position
 (-AVB) 17BV(-AVB) 1A distribute 1 over V
 -BM(7AVB)VAM(7AVB) assosiativity of 1
 (7B17AV7B1B)V(A17AVA1B) distr. 1 over V
 (701-1) V(11B) distr. 1 over V
 -(BVA) V(A1B) DeMorgan
 T(AVB)V(A1B) assosiativity of V
 (AVB) = > (A AB) umplication elivination
         \Xi(AVB) = \Sigma(AAB)
  AKEYB
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