```
EZT abungsblat 6
1)(1) 3·x + 17·y = 158
      Erw. Euhlidischer Algo: für (17,3)
          17 = 5.3 + 2
           3 = 1-2 +1
          2 = 2.1 +0
       => 997 (17, 3) = 1 = 3-1.2 = 3-1.(17-5.3)
                  = 6.3 - 1.17
       => 3.6 - 17.1 = 1
      -158 = 3. 948 - 77. 158 = 158
       => Pairhulailsg. (xo, yo) = (948, -158)
      Alle Lösungen (Sat 4 18): ] = { (x0 + t. 17, y0 - t. 3) [t=2]
   (2)
        9.x + 16.y = 35
         Erw. Eulidischer Algo für (16,9).
            16 = 1.9 + 7
             9 = 1-7 +2
            7 = 3 - 2 + 1
             2 = 2.1 +0
      => 397 (169) - 1= 7-32 = 7 (16-1-9) -3.2
                  = 16-1.3 - 3.(9-1.7)
                  = 16. - 1.3 - 3.9 + 3. (16 - 1.9)
                  = 4.16 - 7.9
      => Partitularlsg. (xo, yo) = (-7.35, 4.35)
                           = (-245, 140)
```





