```
1. Emil + C++
Emil - Java
Filic + Java
Filic + C++
Filic = Python
Paul = C++
    2. 43 6) 15 0) 0
    3. SA: (7A . RUE) A (7BVA) A (4EVA)
SZ: (7EVD)
                                                       (7BA7F) 07C -> (7B07C) A (7F07C)
         S3: 7 (3 AF) VYC
         Sy: 7 EVB
Ss: 7 B v E
Sc: 7 B v C
              UB.
                         - TAVBVE
                                                           TEVA TEVA TEVO TOVIC
                                                                                                                                                                        7 + V7 C
                                                              TEUN
                                                                                                                          Th.E
                                                                                                                                                                                                     70 VC
                                                                  ηŊ
                             7A
                                                                                                                                                                                            712 V713
                                                                                                                                                                                                7 B
                                                                                                                 74.7B
  4. (1) 32
(2) O, if all operators are or combinations, then we know that the last made is true
          () in , : 1 (c) & A
(((a,:2) > 2A) A (2A > ((A vi2))
(-((a,:2) + 2A) A (-, A) ((Avi2))
(-((a,:2) + 2A) + ((Avi2) + ((Avi2)))
(-((a,:2) + 2A) + ((Avi2) + ((Avi2) + ((Avi2)))
(-((a,:2) + 2A) + ((Avi2) + ((Avi2) + ((Avi2)))
(-((a,:2) + 2A) + ((Avi2) + ((Avi2) + ((Avi2)))
(-((a,:2) + 2A) + ((Avi2) + ((A
                (7: AATIL) VZA) A (724 VIA VIZ)
(74 VIA) A (24 VII) 2) A (724 VIAVIZ)
                136) 782
(130) 221) 4 (722 5) 3)
(1:14 722) 4 (21 4:3)
                 (14 a: 5 (=) 23

(14 a: 51 >> 25) a(21 =>( :4 a: 5))

(14 a: 51 >> 28) a( :25 > ( :4 a: 5))

( :4 a: 5 >> 28) a( :23 >= ( :4 a: 5) ( :23 >= ( :5)
                (722 473 0 2 4) 1/ 124 421) 1/ 124 623)
                  21.246001
                (45 v NT v Nor) x (Nov YST) x (Nov N ST)
                 horsis
                (in =) or)
1 ?- parent (tom, ben).
2 ?- parent (X, liz).
3 ?- parent (bob, X).
4 ?- parent (X,Y).
5 ?- parent (Y, jim), parent (X,Y).
8 ?- parent (X, pat).
9 ?- parent (liz, X).
0 ?- parent (Y, _X), parent (_X, pat).
1 ? - parent(X, ann), parent(X, pat).
3 male (bob).
4 male (tom).
5 male (jim).
7 female (pam).
8 female (liz).
9 female (ann).
0 female (pat).
2 offspring (X,Y) - parent (Y,X).
4 mother (X,Y) - parent(X,Y), female (X).
5 sister (X,Y):- parent (Z,X), parent (Z,Y), female(Y), not (X=Y).
 7 grandchild (X,Y) - parent (Y, A), parent (A, X).
   (4)
                           (z1v=i1) (z4v7i2) (7=1vi1vi2) (7i3v7=2) (z2vi3) (7i4v7i5 v=3)
                           (723vi4) (723vi5) (722v723vz4) (724v22) (724v23)
                             (01 v721) (c1v724) 1701 v21v24)
                                        ( (1 v 7; 1) = (7; 1 v ol ) = (; 1 => 01)
```