```
    1: Script started on Tue Mar  6 21:10:12 2012
    2: bash-3.2$ cat -n al\007lpairs.pl
    3:      1  % $Id: allpairs.pl,v 1.2 2011-05-19 19:53:59-07 - - $ */
    4:      2
    5:      3  %
    6:      4  % Query pair will return all pairs.
    7:      5  %
    8:      6
    9:      7  positive(red).
   10:      8  positive(green).
   11:      9  positive(blue).
   12:     10  negative(cyan).
   13:     11  negative(magenta).
   14:     12  negative(yellow).
   15:     13
   16:     14  pair(Pos,Neg) :- positive(Pos), negative(Neg).
   17:     15
   18:     16  allpairs :- pair(Pos,Neg), print( pair(Pos,Neg) ), nl, fail.
   19:     17
   20:     18  :- initialization(allpairs).
   21:     19
   22: bash-3.2$ gprolog
   23: GNU Prolog 1.3.1
   24: By Daniel Diaz
   25: Copyright (C) 1999-2009 Daniel Diaz
   26: | ?- [allpairs].
   27: compiling /afs/cats.ucsc.edu/courses/cmps112-wm/Languages/prolog/Examples/allpai
rs.pl for byte code...
   28: /afs/cats.ucsc.edu/courses/cmps112-wm/Languages/prolog/Examples/allpairs.pl comp
iled, 19 lines read - 1359 bytes written, 10 ms
   29: pair(red,cyan)
   30: pair(red,magenta)
   31: pair(red,yellow)
   32: pair(green,cyan)
   33: pair(green,magenta)
   34: pair(green,yellow)
   35: pair(blue,cyan)
   36: pair(blue,magenta)
   37: pair(blue,yellow)
   38: warning: /afs/cats.ucsc.edu/courses/cmps112-wm/Languages/prolog/Examples/allpair
s.pl:18: user directive failed
   39:
   40: yes
   41: | ?- allpairs.
   42: pair(red,cyan)
   43: pair(red,magenta)
   44: pair(red,yellow)
   45: pair(green,cyan)
   46: pair(green,magenta)
   47: pair(green,yellow)
   48: pair(blue,cyan)
   49: pair(blue,magenta)
   50: pair(blue,yellow)
   51:
   52: no
   53: | ?-
   54:
   55:
   56: bash-3.2$ exit
   57:
   58: Script done on Tue Mar  6 21:10:32 2012
```