

Five Programming Language KB

%% file proglang.pl

%% line: some knowledge about programming languages

% language(L) means L is a programming language

language(smalltalk).

language(lisp).

language(prolog).

language(snobol).

language(apl).

% essence(L,DT,CF) means language L features datatype DT

% and computational formalism CF

essence(smalltalk,objects,'message passing').

essence(lisp,lists,'recursive functions').

essence(prolog,relations,'logical inferencing').

essence(snobol,patterns,'string processing').

essence(apl,matrix,'matrix operations').

% history(L,I,D) means language L was invented by I in year D

history(smalltalk,inventor('Alan Kay'),date(1980)).

history(lisp,inventor('John McCarthy'),date(1959)).

history(prolog,inventor('Alan Colmeraur'),date(1971)).

history(snobol,inventor('Ralph Griswold'),date(1962)).

history(apl,inventor('Kenneth Iverson'),date(1964)).