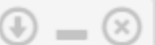
 %find languages older than 2000 language_created(Language, Year), Year < 2000.



Language = fortran1,

Year = 1956

Language = lisp,

Year = 1958

Language = algol60,

Year = 1960

Language = cobol,

Year = 1960

Language = pl1,

Year = 1964

Language = smalltalk,

Year = 1968

Language = pascal,

Year = 1970

Language = prolog,

Year = 1970

Language = scheme,

Year = 1974

Language = ml,

Year = 1976

Language = fortran77,

Year = 1976

Language = c,

Year = 1978

Language = smalltalk80,

Year = 1980

Language = ada83,

Year = 1982

Language = commonlisp,

Year = 1984

Language = sml,

Year = 1984

Language = cpp,

?- %find languages older than 2000
language_created(Language, Year), Year < 2000.

Examples▲

History▲

Solutions▲

☐ table results

Run!

Language = cpp,

Year = 1984

Language = perl,

Year = 1986

Language = eiffel,

Year = 1986

Language = caml,

Year = 1986

Language = tcl,

Year = 1988

Language = python,

Year = 1990

Language = fortran90,

Year = 1990

Language = java,

Year = 1994

Language = javascript,

Year = 1994

Language = ruby,

Year = 1994

Language = perl5,

Year = 1994

Language = ocaml,

Year = 1996

Language = cppiso,

Year = 1998

Language = schemer5rs,

Year = 1998

Language = haskell98,

Year = 1998

?- *%find languages older than 2000*

language_created(Language, Year), Year < 2000.


Examples▲

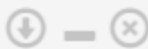
History▲

Solutions▲

☐ table results

Run!

 %find Ancestors of C++ setof(X, ancestor(X, cpp), Ancestors).



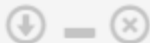
Ancestors = [algol60, c, fortran1]

?- %find Ancestors of C++
setof(X, ancestor(X, cpp), Ancestors).|

Examples▲ History▲ Solutions▲

☐ table results **Run!**

 %find Siblings of C++ setof(X, sibling(X, cpp), Siblings).



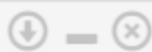
Siblings = [c, pl1, python, scheme, smalltalk, tcl]

?- %find Siblings of C++
setof(X, sibling(X, cpp), Siblings|).

Examples▲ History▲ Solutions▲

☐ table results **Run!**

 %find Cousins of C++ setof(X, cousin(X, cpp), Cousins).



Cousins =

[ada83, algol60, c, commonlisp, cppiso, csharp, csharp2, eiffel, fortran77, fortran90, go, java, java5, java8, javascript, javascriptES2017, kotlin, pascal, pl1, python, ruby, rust, scheme, schemeR5RS, smalltalk, smalltalk80, swift, tcl]

?- %find Cousins of C++
setof(X, cousin(X, cpp), Cousins).

Examples▲

History▲

Solutions▲

☐ table results

Run!



%Is Rust a Relative of Common Lisp? How so? `relative(rust, commonlisp); relationship(rust, commonlisp, Relationship).`



true

1

Relationship = cousin

?-

%Is Rust a Relative of Common Lisp? How so?

`relative(rust, commonlisp);`

`relationship(rust, commonlisp, Relationship).`

Examples▲

History▲

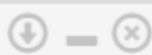
Solutions▲

☐ table results

Run!



%is swift a descendant of Lisp? `relative(swift, lisp); relationship(swift, lisp, Relationship).`



true

1

Relationship = descendant

?- *%is swift a descendant of Lisp?*

`relative(swift, lisp);`

`relationship(swift, lisp, Relationship).`|

Examples▲

History▲

Solutions▲

☐ table results

Run!