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%Meta data for the file

%file: crypto_r.pro

%line: interpreter for the Crypto language

%some utility programs

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:- consult('io.pro').

:- consult('gv.pro').

:- consult('lp.pro').

%DCG for crypto

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sentence --> simpleproblemcommand.

sentence --> simpleproblemquery.

sentence --> randomproblemcommand.

simpleproblemcommand --> [use], numberzzz, [to], [make], goal, [.]

simpleproblemcommand --> [write], goal, [in], [terms], [of], numberzzz, [.]

randomproblemcommand --> [use], [whatever], [to], [make], [whatever], [.]

simpleproblemquery --> [can], [you], [make], goal, separator, numberzzz, [?]

separator --> [from].

separator --> [with].

goal --> number.

numberzzz --> number, [and], number, [and], number, [and], number, [and], number.

numberzzz --> number, number,number,number,[and], number.

numberzzz --> [the], [first], [five], [positive], [numbers].

numberzzz --> [numbers], [zero], [through], [four].

numberzzz --> [numbers], [two], [through], [six].

numberzzz --> [numbers], [three], [through], [seven].

numberzzz --> [numbers], [four], [through], [eight].

numberzzz --> [five], [through], [nine].

numberzzz --> [the], [odd], [numbers].

numberzzz --> [five], pluralnumber.

numberzzz --> [four], pluralnumber, [and], [one], number.

numberzzz --> [one], number, [and], [four], pluralnumber.

numberzzz --> [two], pluralnumber, [and], [three], pluralnumber.

numberzzz --> [three], pluralnumber, [and], [two], pluralnumber.

numberzzz --> [two], pluralnumber, [and], [two], pluralnumber, [and], [one], number.

numberzzz --> [one], number, [and], [two], pluralnumber, [and], [two], pluralnumber.

numberzzz --> [two], pluralnumber, [and],[one], number, [and],[two], pluralnumber.

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number --> [zero].
number --> [one].
number --> [two].
number --> [three].
number --> [four].
number --> [five].
number --> [six].
number --> [seven].
number --> [eight].
number --> [nine].
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pluralnumber --> [zeros].
pluralnumber --> [ones].
pluralnumber --> [twos].
pluralnumber --> [threes].
pluralnumber --> [fours].
pluralnumber --> [fives].
pluralnumber --> [sixes].
pluralnumber --> [sevens].
pluralnumber --> [eights].
pluralnumber --> [nines].
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%The recognizer

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recognizer :-

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    read_sentence(S),
    sentence(S, []),
    write('ok'), nl,
    recognizer.
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recognizer :-

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    write('Not a sentence... '), nl,
    recognizer.
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