1 The Module anagram.pl

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msort_string_lower(+String:string, -Lower:string,
                                                                anagram.pl
           -Sorted:string)
   Sort the list of characters of String converted to lower case, and unify the
results with Sorted and Lower, respectively.
    :- module(anagram, [is_anagram/2, anagram/3]).
   msort_string_lower(String, Lower, Sorted) :-
        string_lower(String, Lower),
        atom_chars(Lower, Chars),
       msort(Chars, Sorted).
is_anagram(?Word, ?Candidate)
                                                                anagram.pl
   True if Word is an anagram of Candidate.
    is_anagram(Word, Candidate) :-
        msort_string_lower(Word, WordLower, Sorted),
        is_anagram(WordLower, Sorted, Candidate).
is_anagram(?WordLower:string, ?Sorted:list(atom),
                                                                anagram.pl
           ?Candidate:string)
   True if Candidate is an anagram of the lower case string WordLower where
Sorted is assumed to be the sorted list of characters of WordLower, i.e.,
msort_string_lower(Word, WordLower, Sorted).
    is_anagram(WordLower, Sorted, Candidate) :-
        msort_string_lower(Candidate, CandidateLower, Sorted),
        \+ CandidateLower == WordLower.
anagram(+Word:string, +Candidates:list(string),
                                                                anagram.pl
         -Anagrams:list(string))
   Filter elements Candidate of Candidates for which is_anagram(Word, Candidate)
succeeds. True if Anagrams contains those elements.
    anagram(Word, Candidates, Anagrams) :-
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include(is_anagram(WordLower, Sorted), Candidates, Anagrams).

msort_string_lower(Word, WordLower, Sorted),