

1. THE FILE isogram.pl

```
:- use_module(library(clpfd)).
```

```
isogram(Phrase)
```

isogram.pl

Determine if a word or phrase is an isogram.

```
isogram(Phrase) :-
```

Convert *Phrase* to lower case and unify the result with *LowerPhrase*.

```
string_lower(Phrase, LowerPhrase),
```

Convert *LowerPhrase* to a list of character codes and unify the result with *Codes*.

```
string_codes(LowerPhrase, Codes),
```

Filter elements of *Codes* for which `is_alpha/1` succeeds and unify the result with *Letters*.

```
include(is_alpha, Codes, Letters),
```

Succeed iff *Letters* are pairwise distinct.

```
all_distinct(Letters).
```