CS 421/820
Assignment 1 Prolog : The Unification Algorithm
Total: 100 pts
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Write a program that implements the unification algorithm seen in class. Your program should have the same behavior as the `unify_with_occurs_check(term1,term2)` build-in predicate of Gnu Prolog. `term1` and `term2` are 2 terms where:

- variables are in upper case letters

- function symbols are in lower case letters

Examples

```
|?- unify_with_occurs_check(a,X).
X = a
yes
| ?- unify_with_occurs_check(X,Y).
Y = X
yes
| ?- unify_with_occurs_check(X,f(Y)).
X = f(Y)
yes
| ?- unify_with_occurs_check(X,h(a,Y)).
X = h(a,Y)
yes
| ?- unify_with_occurs_check(f(f(X,Y),X),f(f(V,U),g(U,Y))).
V = g(U,U)
X = g(U,U)
Y = U
```