

This language has hierarchical types:

obj is a generic type and all other types are subtypes of obj.

sets are collections of objects.

This language also has a predicate "isa" which is used to verify that an expression is of a particular type.

```
boolean isEmpty(set A) {  
    if A == {}  
        return true;  
    else  
        return false;  
}
```

```
int SumAllInts(obj A) { // add all the integers that can be found in this object  
    obj elem;  
    if A isa int  
        return A;  
    elif A isa set {  
        int result = 0;  
        for elem in A do  
            result = result + SumAllInts(elem);  
        od;  
        return result;  
    }  
    else  
        return 0;  
}
```

```
SummAllInts({1,2,{3,4,"hi"},{{5}}});
```