The homework should be submitted using the turnin program before 11:59pm on March 12. Late homeworks will not be accepted.

Remember that collaboration of any kind is not allowed.

1. Define a SCHEME function `forall?` that accepts a boolean function `f` and a list `L`, and checks whether `f` holds (i.e., evaluates to `#t`) on every element in `L`.

For instance,

```
1 ]=> (forall? even? '())
;Value: #t
1 ]=> (forall? odd? '(3 165 17 9))
;Value: #t
1 ]=> (forall? odd? '(3 168 17 9))
;Value: ()
```

2. Define a SCHEME function `sameset?` that accepts two lists `ls1` and `ls2` of integers and checks whether the underlying sets are the same.

For instance,

```
1 ]=> (sameset? '(1 2 3 5 6 6) '(3 5 2 6 1))
;Value: #t
1 ]=> (sameset? '(1 2 3 5 6 6) '(3 5 2 7 1))
;Value: ()
```