

```
assert in instanceof Resource;
return ((Resource)in)
    .getOwner()
    .getResource();
```

(a) Before

```
assert in instanceof Resource;
return ((Resource)in)
    .hDelegate();
```

(b) After

Listing 4: Program fragments for HIDE DELEGATE refactoring in REFINITY

```
class Resource {
    Owner owner;
    Owner getOwner() {
        /*@ assignable frF;
           @ accessible fpF;
           @*/
        \abstract_statement F;
        return owner;
    }
    Resource hDelegate() {
        return this.getOwner()
            .getResource();
    }
}
```

(a) Before

```
class Owner {
    Resource resource;
    Resource getResource() {
        /*@ assignable frG;
           @ accessible fpG;
           @*/
        \abstract_statement G;
        return resource;
    }
}
```

(b) After

Listing 5: Classes in HIDE DELEGATE refactoring in REFINITY