

Figure 1: Behavioral preserving transformation applied by Eclipse. JRRT rejects applying it and warns a message: cannot adjust accessibilities.

Listing 1: Before Refactoring

```
package p0;
public class A {

}

package p1;
import p0.*;
public class B extends A {
    public A f = null;
    public long m(int a) {
        return 0;
    }
}

package p1;
public class C extends B {
    protected long m(int a) {
        return 1;
    }
    public long test() {
        return super.m(2);
    }
}
```

Listing 2: After Refactoring

```
package p0;
public class A {
    public long m(int a) {
        return 0;
    }
}

package p1;
import p0.*;
public class B extends A {
    public A f = null;
}

package p1;
public class C extends B {
    protected long m(int a) {
        return 1;
    }
    public long test() {
        return super.m(2);
    }
}
```