

```
assert x instanceof X;  
  ( (X) x) .n ();  
  ( (X) x) .n ();  
return x;
```

(a) Before

```
assert x instanceof X;  
X temp = (X) x;  
temp.n ();  
temp.n ();  
return temp;
```

(b) After

Listing 3: EXTRACT LOCAL VARIABLE refactoring in REFINITY