

Assume *id* is the same identifier token, and consider the following program:

```
id1 := a;  
id2 := a;  
if(id1 == id2) then  
    id3 := c;  
    if(id1 == id3) then  
        id4 := d;  
    else  
        id4 := e;
```

The following shows two different parse trees that can generate the if statement in the mentioned grammar.

