```
1 package tellscopeV4;
 3 public class TeleScopeReflect extends TeleScopeRefract {
        TeleScopeReflect(double focalRatio, double lensDiameter, double eyePieceFocalLength)
 6
             super(eyePieceFocalLength, eyePieceFocalLength, eyePieceFocalLength);
 8
9
10
11
12
13
        //calcDistToSecond method
14
15
        public double calcDistToSecond()
             //calculate outer diameter of tube
outerDiameter = lensDiameter + 1;
16
17
18
            //calculate distance to second equation
distToSecond = (lensDiameter * focalRatio) - ((outerDiameter / 2) + RIH + 1);
19
20
21
22
             //{
m return} the distance to second
23
24
             return distToSecond;
        }
25
26
27
        //calcSecondarySizeMinor method
28
        public double calcSecondarySizeMinor()
29
             //calculate the secondary size major axis equation
secondarySizeMinor = ((outerDiameter / 2) + (RIH + RACKTRAVEL)) / focalRatio;
30
31
32
             //return the secondary size major axis
return secondarySizeMinor;
33
34
35
36
37
        // {\tt calcSecondarySizeMajor} \ {\tt method}
38
        public double calcSecondarySizeMajor()
39
             //calculate secondary size minor equation secondarySizeMajor = secondarySizeMinor * SECONDEQCONSTANT;
40
41
42
             //return the secondary size minor axis
43
             return secondarySizeMajor;
45
46
47
48
49 }
50
```