58:

59:

60:

cd.setRadius(side) ;

cd.setOrigin(side,side) ;

cd.setPosition(p3x, p3y) ;

```
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func.cpp
   61:
         cd.setFillColor(Color::Red);
   62:
       cd.setOutlineThickness(1);
   63:
       cd.setOutlineColor(sf::Color(250, 255, 255));
   64:
         a.draw(cd);
   65:
         //p2's val, bottum circ pt
   66:
   67:
               if( depth == 1 ) {
              cout << "trval test " << endl ;</pre>
   68:
              cout << p0x << " "<< p0y << endl ;</pre>
   69:
              cout << p1x << " "<< p1y << endl ;</pre>
   70:
   71:
              cout << p2x << " "<< p2y << endl ;
   72:
              cout << side << endl ;</pre>
   73:
   74:
          * /
   75:
         //Draw picture of middle tri
   76:
   77:
         ConvexShape T ;
   78:
         T.setPointCount(3);
   79:
         T.setPoint(0, Vector2f(p2x + side,p2y));
         T.setPoint(1, Vector2f(p2x - side*c,p2y - side*s));
T.setPoint(2, Vector2f(p2x - side*c,p2y + side*s));
   80:
   82:
         T.setPosition(0,0);
   83:
         T.setFillColor(Color::Cyan);
   84:
         a.draw(T) ;
   85:
   86:
         Sierpinski( side/3 , depth - 1, p0x, p0y, a ) ;
         Sierpinski( side/3 , depth - 1, plx, ply, a ) ;
   87:
   88:
         Sierpinski( side/3 , depth - 1, p3x, p3y, a );
   89:
   90:
       return 0 ;
   91:
   92: }
```