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...s\Assignment 1\Assignment1\Assignment1\PolygonPS1.cpp
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1
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```
1 #include "Polygon.h"
2
 3 float Polygon::getSignedArea() const
 4 {
 5
       float Result = 0.0f;
 6
 7
       if (fNumberOfVertices > 2)
 8
           for (size_t i = 0; i < fNumberOfVertices; i++)</pre>
9
10
11
                size_t j = (i + 1) % fNumberOfVertices;
                // shoelace algorithm
12
               Result += 0.5 * (fVertices[i].getX() * fVertices[j].getY() -
13
                  fVertices[i].getY() * fVertices[j].getX());
           }
14
15
       return Result;
16
17 }
```