```cpp
1: /*
2:  * AlgoritmoCoberturaGulosa.cpp
3:  *
4:  *  Created on: Jun 11, 2011
5:  *      Author: darioandrade
6:  */
7:
8: #include "AlgoritmoCoberturaGulosa.h"
9:
10: AlgoritmoCoberturaGulosa::AlgoritmoCoberturaGulosa ( )
11: {
12:
13:
14: }
15:
16: AlgoritmoCoberturaGulosa::~AlgoritmoCoberturaGulosa ( )
17: {
18:
19: }
20:
21: void AlgoritmoCoberturaGulosa::CalculateCobertura(std::list< int > & listCobertura, AdjacencyList & grafo, int debug )
22: {
23:
24:     while ( grafo.HasEdge( ) )
25:     {
26:         if ( debug >= 2 )
27:         {
28:             fprintf( stderr, "removendo vertice de maior grau e atualizando vizinhos\n" );
29:         }
30:
31:         int vertex = grafo.RemoveHighestDegreeVertex( debug );
32:
33:         if ( debug >= 2 )
34:         {
35:             fprintf( stderr, "vertice de maior grau: %d\n", vertex );
36:         }
37:
38:         listCobertura.push_back( vertex );
39:     }
40: }
```