Computer Programming II — Midterm Exam 1

2024-3-24

1. Please write the member function vector::insert in the file vector - Student ID - mid1-1.cpp which implement the member function insert in STL class template vector.

2. Please write the member function vector:: resize in the file vector - Student ID - mid1-2.cpp which implement the member function resize in STL class template vector.

3. Please write the member function string::insert in the file string - Student ID - mid1-3.cpp which implement the member function insert in STL class template string.

4. Please complete the C++ program in 11448 - Who said crisis - Student ID - mid1-4 which solves UVa 11448 - Who said crisis.

Grading rule

Output correct (Accepted):

20 points vector::insert( const\_iterator where, const value\_type &val )

20 points vector::resize( const size\_type newSize )

20 points string::insert( const\_iterator where, const char ch )

20 points less( vector &hugeInt1, vector &hugeInt2 )

20 points subtraction( vector &minuend, vector &subtrahend, vector &difference )

Output not completely correct (Accepted):

18 points vector::insert( const\_iterator where, const value\_type &val )

18 points vector::resize( const size\_type newSize )

18 points string::insert( const\_iterator where, const char ch )

18 points less( vector &hugeInt1, vector &hugeInt2 )

18 points subtraction( vector &minuend, vector &subtrahend, vector &difference )