```
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
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 * warranty, and with no claim as to its suitability for any purpose.
 */
#include <iostream>
#include <algorithm>
#include <iterator>
using namespace std;
bool bothSpaces (char elem1, char elem2)
     return elem1 == ' ' && elem2 == ' ';
int main()
     // don't skip leading whitespaces by default
     cin.unsetf(ios::skipws);
     // copy standard input to standard output
     // - while compressing spaces
     unique_copy(istream_iterator<char>(cin), // beginning of source: cin istream_iterator<char>(), // end of source: end-of-file ostream_iterator<char>(cout), // destination: cout
                                                             // duplicate criterion
                     bothSpaces);
}
```