Stream Exercise
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Write a function \texttt{rev\_out} (see template below) which outputs the contents of an \texttt{istream} in reverse order using recursion.

```cpp
#include <iostream>
#include <sstream>

// POST: output the content of is in reverse order to
// std::cout, and removed it from is.
void rev_out (std::istream& is) {
    // your code
}

int main () {
    std::stringstream input ("abcdefghijklmno");
    rev_out (input);
    return 0;
}
```
Other solutions are of course also possible.

```cpp
#include <iostream>
#include <sstream>

// POST: output the content of is in reverse order to std::cout, and removed it from is.
void rev_out (std::istream& is)
{
    char val;
    if (is >> val) {
        rev_out(is);
        std::cout << val;
    }
}

int main () {
    std::stringstream input ("abcdefghijklmno");
    rev_out (input);
    return 0;
}
```