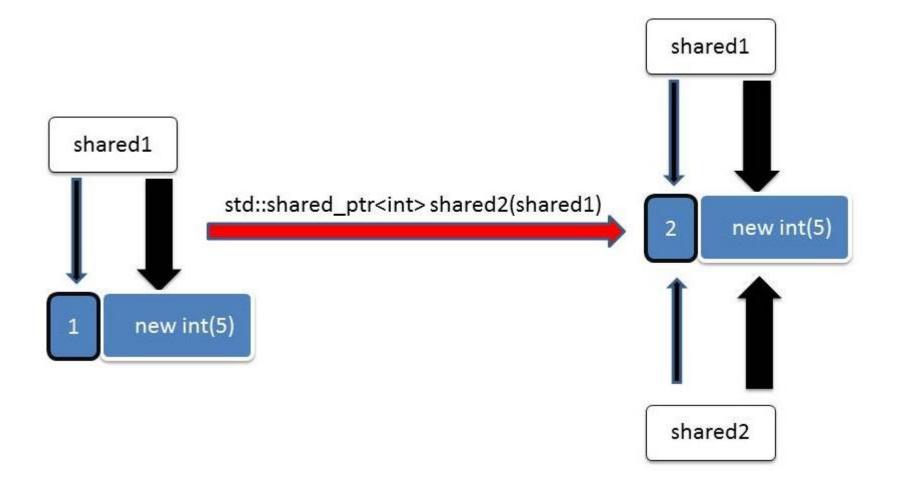
std::shared ptr



std::shared_ptr

std::shared_ptr shares a resource and releases it.

- std::shared_ptr
 - has a reference to the resource and the reference counter.
 - is C++'s answer to garbage collection.
 - has management overhead.
 - deterministically releases the resource.
 - can be configured with a deleter: shared_ptr<int> shPtr(new int, Del());.
 - Is half thread safe:



• The underlying resource is not thread safe.

std::shared_ptr

Member Function	Description
<pre>sha.unique()</pre>	Checks, if the std:shared_ptr is the only owner of the resource.
<pre>sha.use_count()</pre>	Returns the value of the reference counter.
sha.get()	Returns a pointer to the resource.
sha.reset(ptr)	Replaces the resource.Eventually destructs the resource.
sha.swap(sha2)	Swaps the std:shared_ptr.
<pre>sha.get_deleter()</pre>	Returns the delete function.
<pre>std::make_shared()</pre>	Generates the resource and manages it.

sharedPtr.cpp
sharedPtrDeleter.cpp