```
return old_value;
struct increment_me
constexpr T pi = T(3.1415926535897932385);
      using T = typename decltype(c)::value_type;
return pi<T> * c.radius * c.radius;
\begin{array}{lll} \textbf{complate} < \textbf{typename} & \textbf{Array}, \ \textbf{size} & \textbf{t...} \ \textbf{I} > \\ \textbf{outo} & \textbf{array\_to\_tuple} \_(\textbf{const} \ \textbf{Array} \& \ \textbf{a}, \ \textbf{std} : \textbf{index\_sequence} < \textbf{I...} >) \\ \textbf{->} & \textbf{decitype} (\textbf{std} : \textbf{make\_tuple} (\textbf{a}[\textbf{I}]...)) \end{array}
      return std::make_tuple(a[I]...);
 \begin{array}{l} \textbf{remplate} < \textbf{typename T, std::size\_t N, typename Indices} = \textbf{std::make\_index\_sequence} < \textbf{N}>> \\ \textbf{ruto array\_to\_tuple} \\ \textbf{(const std::array} < \textbf{T, N}> \& \textbf{ a}) \end{array} 
      -> decltype(array_to_tuple_(a, Indices()))
      return array_to_tuple_(a, Indices());
       template < class U, class V = typename std::enable_if
                                                         !std::is\_lvalue\_reference < U > ::value
                C(U\&\&~u): t\_(std::forward < T > (std::move(u).get())) \ \{\}
      constexpr A(bool b): m(b?42:x) { }
constexpr int v = A(true).m;
constexpr int w = A(false).m;
#include <utility>
#include <type_traits>
     std::index_sequence_for<char, int, std::size_t, unsigned long>;
static\_assert(std::is\_same <
                               \begin{array}{l} \text{indices,} \\ \text{std} :: \\ \text{make\_index\_sequence} < 4 > \end{array}
struct A{};
struct B{};
                    assert(std::is\_same <
     std::index_sequence_for<A, B>, std::index_sequence<0, 1>
  using void_t = Chandra Shekhar Kumar //using void_t = Chandra Shekhar Kumar
cemplate< class, class T = void > struct has_type_member : std::false_type };
 \begin{array}{l} complate < class \ T > \\ coid\_t < type\_mem \ T::type >> : \ std::true\_type \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \end{array} 
\begin{array}{l} \text{complate<typename Array, size\_t... I>} \\ \text{outo array\_to\_tuple\_(const Array\& a, std::index\_sequence<I...>)} \\ \text{-> decitype(std::make\_tuple(a[I]...))} \end{array}
      return std::make_tuple(a[I]...);
 \begin{array}{l} construct & construct \\ construct 
                                       pe(array to tuple (a Indices()))
```

 $\underline{\text{stime make_integer_sequence}} = \underline{\text{typename_integer_sequence_internals::make_integer_sequence}} = \underline{\text{T, N}} > \underline{\text{type}};$

 $\frac{\text{cemplate} < \text{class } \mathbf{T}1, \text{ class } \mathbf{T}2 = \text{T}1>}{\text{nline } \mathbf{T}1 \text{ exchange}(\mathbf{T}1 \text{ \& obj, } \mathbf{T}2 \text{ \&\& new_value})}$

T1 old_value = std::move(obj);