```
What do the following functions do?
int f(int n)
   if (n <= 1) return 1;
   else
              return n*f(n-1);
}
Node<T> * f( Node<T> * ptr, T value)
{
        (ptr == nullptr) return nullptr;
 if
  else if (ptr->data == value ) return ptr;
 return f(ptr->next, value);
}
T f( const std::vector<T> & v, std::size_t i )
   if
        (0 == v.size() ) return T();
   else if (i >= v.size() ) return T();
   else if (i >= v.size()-1) return v[i];
   return v[i] + f(v, i+1);
}
int f( int a, int b )
 if (0 == b) return 0;
  return a + f(a, b-1);
}
```

```
template<typename T>
void SinglyLinkedList<T>::f()
{
 f( head );
  auto tmp = head;
  head
         = tail;
 tail
          = tmp;
}
template<typename T>
void SinglyLinkedList<T>::f(Node<T>* curNode){
 if( curNode == nullptr || curNode->next == nullptr ) return;
 f(curNode->next);
  curNode->next->next = curNode;
  curNode->next = nullptr;
}
```