The stack $S$ given as:

has the addresses of the linked list nodes that are shown in the top left figure.

By making use of the stack $S$, fill in the blanks using one or more of these:

| $S$.top() | $S$.pop() | NULL | temp | temp->next | head |

in each blank to complete the code fragment below that **reverses the given linked list and makes it circular** as in the top right figure.

```c
Node *temp = S.top();
S.pop();
head = temp;
while ( !S.empty() ) {
    temp->next = S.top();
    temp = temp->next
    S.pop();
}
temp->next = head;
```