

push_swap with linked-lists		SWAP command							
beggining						4th			
		prev	node	next		node_to_second->prev = node_to_first			b
	*stack	NULL	a	b		node_to_second->next = third_node			c
		a	b	c			prev	node	next
		b	c	NULL		node_to_second	*stack	b	a c
1st						node_to_first		a	b c
node_to_first = (*stack)->next						third_node		a	c NULL
		prev	node	next		5th			
	*stack	NULL	a	b		node_to_first->next = node_to_second			a
node_to_first		a	b	c		node_to_first->prev = NULL			NULL
		b	c	NULL			prev	node	next
2nd						node_to_second	*stack	b	a c
node_to_second = *stack						node_to_first		NULL	b a
		prev	node	next		third_node		a	c NULL
node_to_second	*stack	NULL	a	b		6th			
		a	b	c		*stack = node_to_first			b
		b	c	NULL			prev	node	next
3nd						node_to_second		b	a c
if (*stack)->next->next						node_to_first	*stack	NULL	b a
third_node = (*stack)->next->next				c		third_node		a	c NULL
third_node->prev = node_to_second				a		RESULT:			
		prev	node	next			prev	node	next
node_to_second	*stack	NULL	a	b		node_to_first	*stack	NULL	b a
node_to_first		a	b	c		node_to_second		b	a c
third_node		a	c	NULL		third_node		a	c NULL