

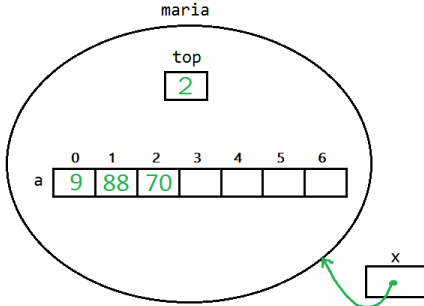
List

add
delete
get ←
search
display
size
empty

7, 9, 15
bottom top

Stack

push
pop
peek
display
empty

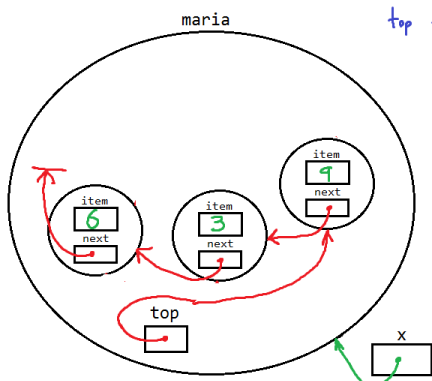
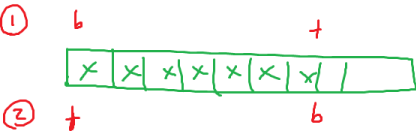
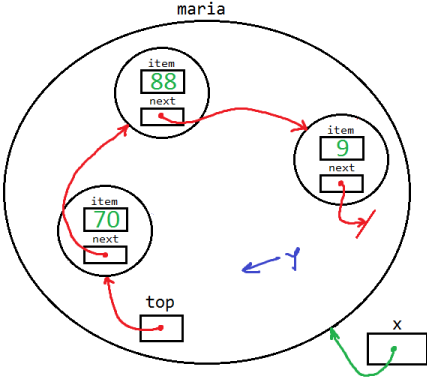


maria.display(&maria);

```
void display( Stack * x ){
    int i;
    printf( "Stack: [top] " );
    for( i = x->top; i >= 0; i-- )
        printf( "%d ", x->a[ i ] );
    printf( "[bottom]\n" );
    return;
}
```

70
88
9

i = 2, 1, 0



top → 9
3
6

maria.push(&maria, 6); ✓
maria.push(&maria, 3); ✓
maria.push(&maria, 9);

```
void push( Stack * x, int e ){
    Node * y = malloc( sizeof( Node ) );
    y->item = e;
    y->next = x->top;
    x->top = y;
    return;
}
```