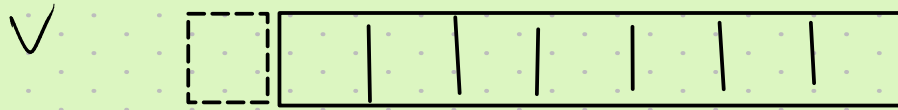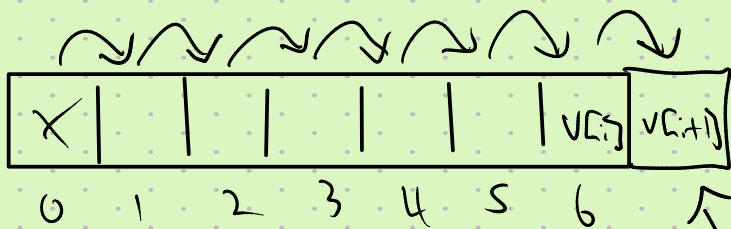Vectors: why no push_<u>front</u>? (or pop_front?)

Answer: <u>not efficient</u>: will likely need

to move many elements to accomplish this.

```
       0  1  2  3  4  5  6
```

V ⌐ ⌐ ⌐ ⌐ | | | | | | | |

↑
might be
in use already!

Say V.size() starts @ 7

~~~~~~~~~~~~~~~~~~~~

| X | | | | | | | | | | | V[i] | V[i+1] |

```
  0  1  2  3  4  5  6
```
↑
need to make sure
this exists!
(resize vector...)

0. add space
1. shift all elements →
2. add new thing @ V[0]

$$V.resize(V.size() + 1); \quad // \ 0$$

$$for \ (size\_t \ i = V.size() - 1; \ i < V.size(); \ i--) \quad // \ 1$$
$$\qquad V[i+1] = V[i];$$

$$V[0] = X; \quad // \ 2$$