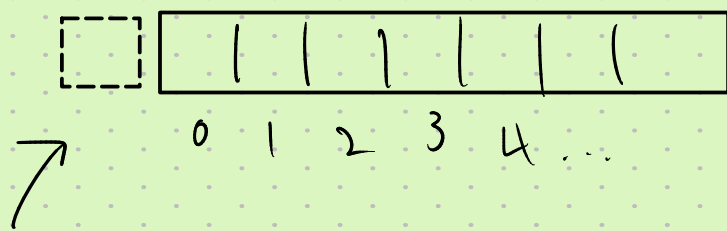Exercise: add element to front of vector.
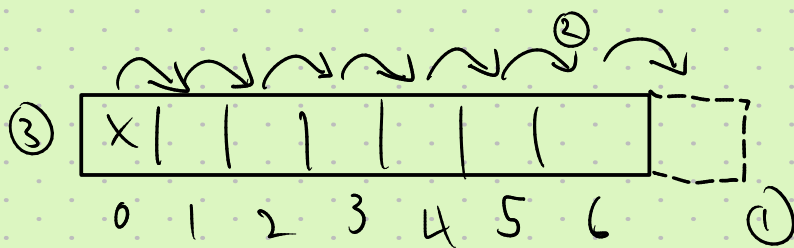

(see deque for efficient structure)

0 1 2 3 4 ...

memory might be in use already!

Strategy: ① expand size of vector
② shuffle elements towards end
③ overwrite $V[0]$.

③ 0 1 2 3 4 5 6 ①

Recall "folding" from lecture 05/notes.pdf.

General solution to compute $\boxed{X_0 \boxed{?} X_2 \boxed{?} \cdots \boxed{?} X_{n-1}}$

Can we write a more general solution in C++?

ingredients:
 — list of values (vectors!)
 — neutral starting point
 — binary operation $\boxed{?}$

⊗ How to sive a function _another function_ as
a paraneter ??