Searching in a List (Q)

• Search for a target x in a list v

Suppose another list is twice as long as v. The expected "effort" required to do a linear search is



- The same
- E. I don't know

See search.py

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Searching in a List (A)

- Search for a target x in a list v
- Start at index 0, keep checking *until* you find it or until no more element



Suppose another list is twice as long as v. The expected "effort" required to do a linear search is

- A. Squared
- CORRECT B. Doubled
- The same **C**.
- D. Halved
- E. I don't know

Effort is *linearly* proportional to list size. Needs *n* comparisons for list of size n (at worst case).⁸