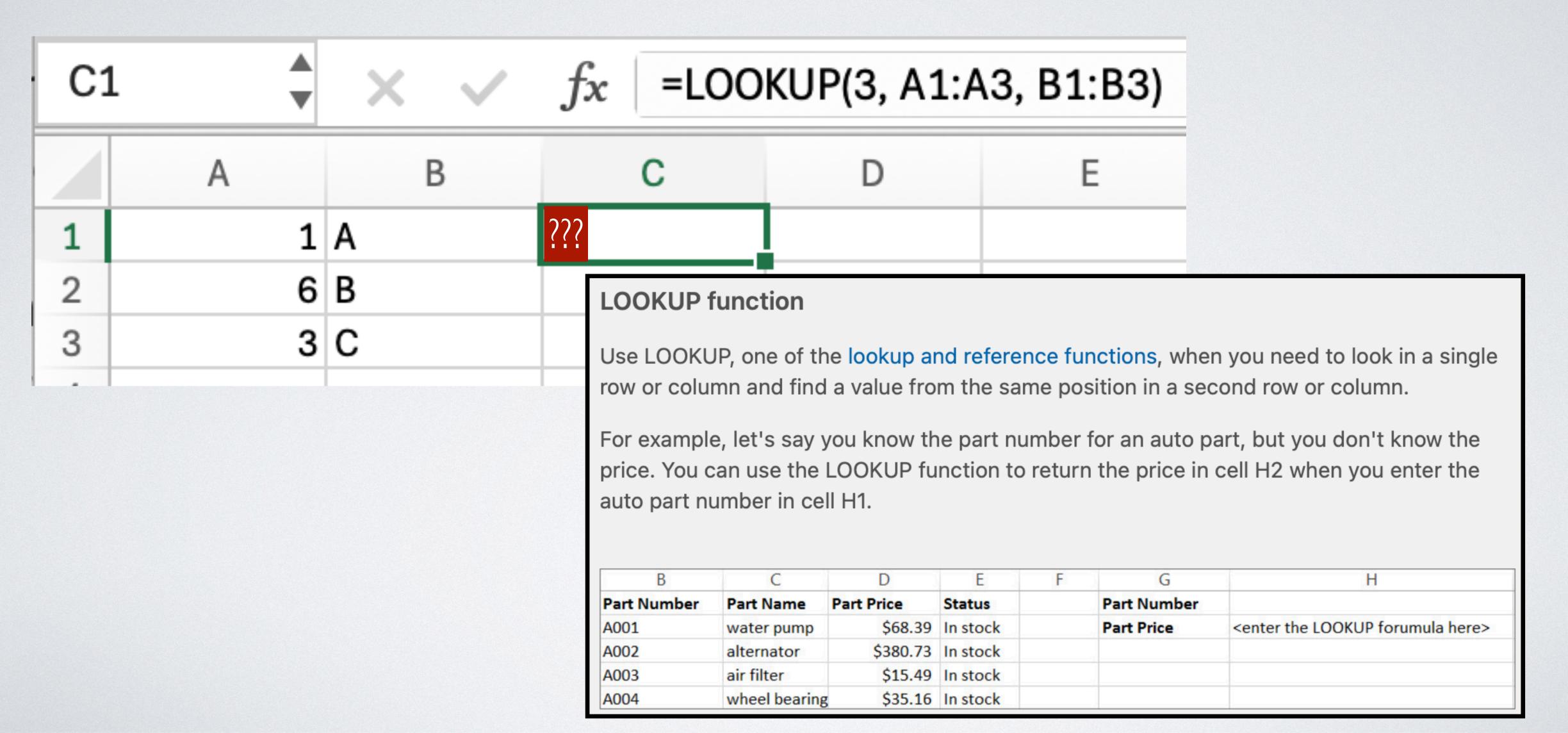
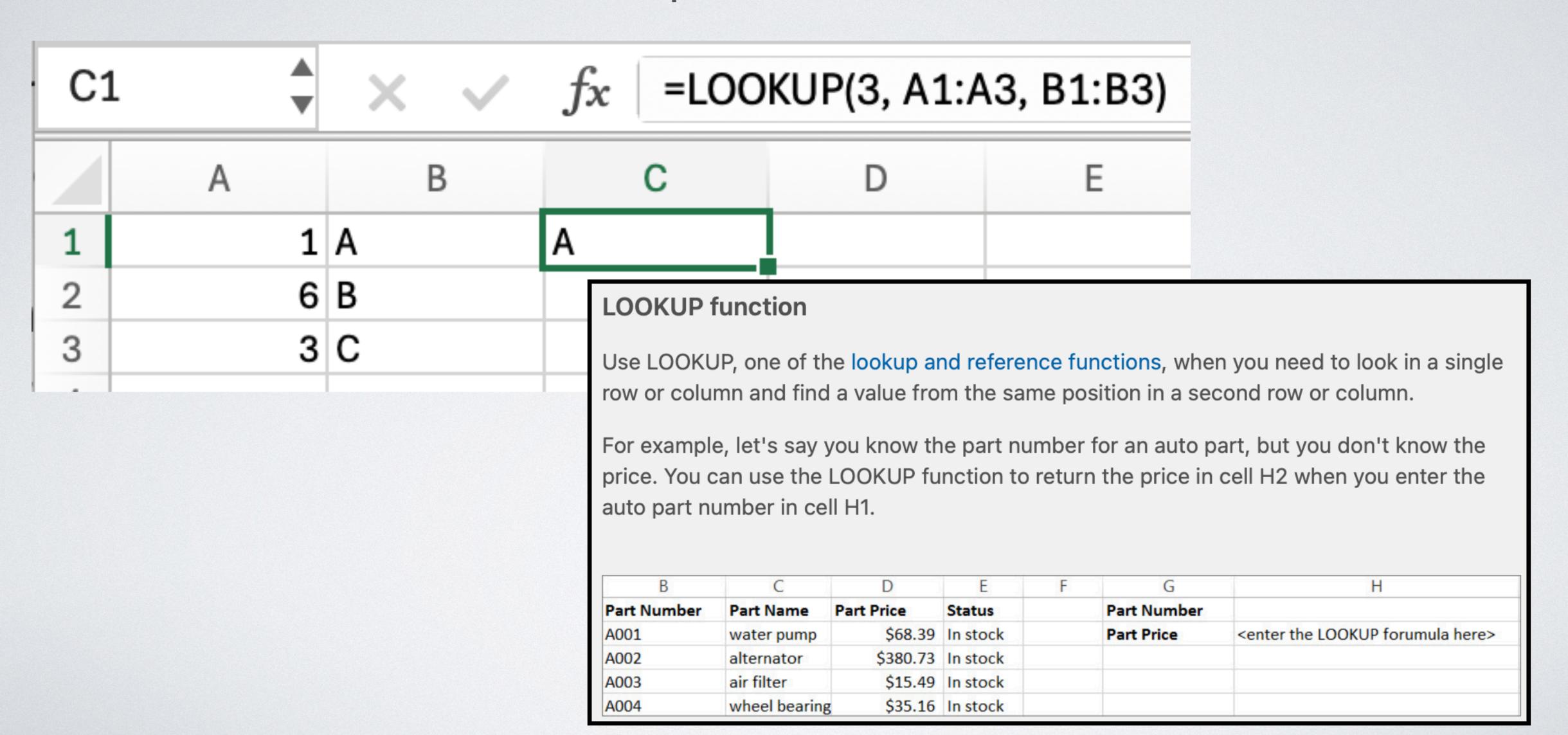
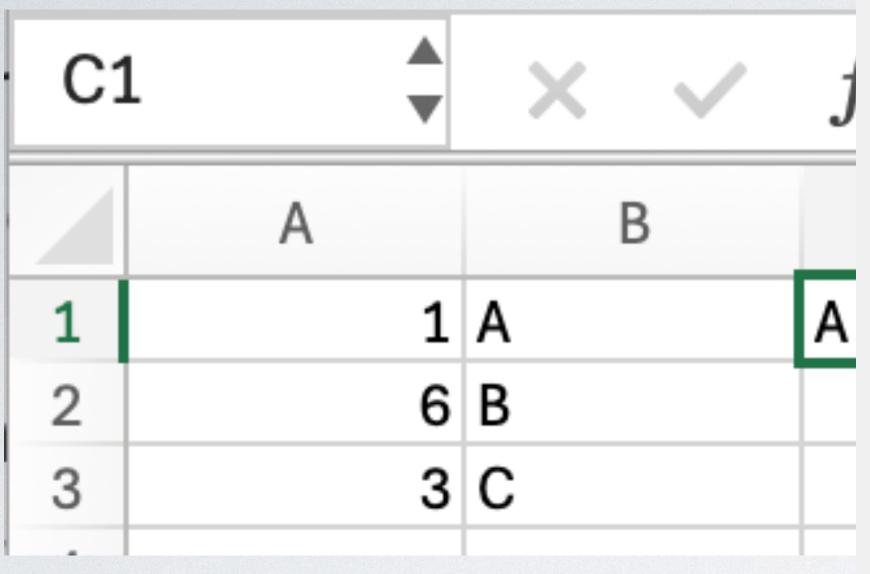
Spreadsheets







#### **Vector form**

The vector form of **LOOKUP** looks in a one-row or one-column range (known as a vector) for a value and returns a value from the same position in a second one-row or one-column range.

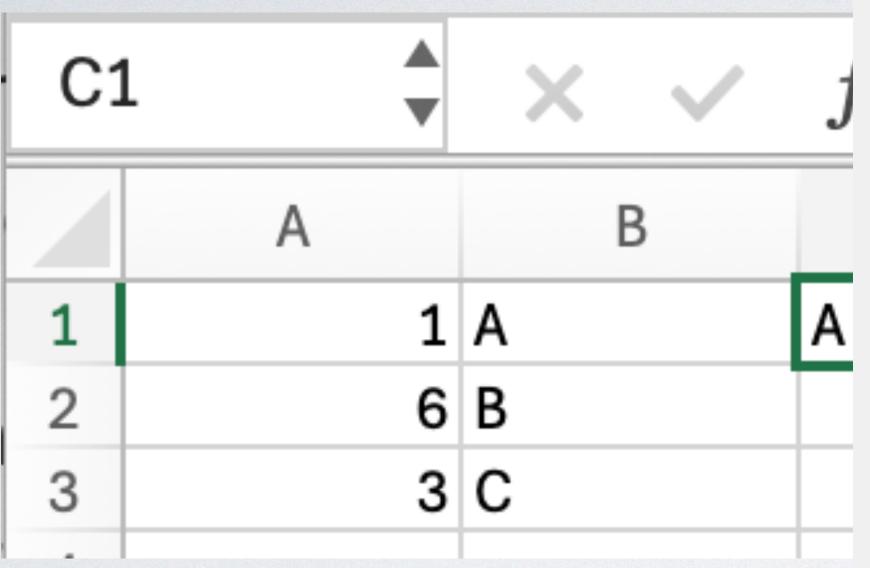
### Syntax

LOOKUP(lookup\_value, lookup\_vector, [result\_vector])

The LOOKUP function vector form syntax has the following arguments:

- lookup\_value Required. A value that LOOKUP searches for in the first vector.
  Lookup\_value can be a number, text, a logical value, or a name or reference that refers to a value.
- lookup\_vector Required. A range that contains only one row or one column. The values
  in lookup\_vector can be text, numbers, or logical values.

**Important:** The values in *lookup\_vector* must be placed in ascending order: ..., -2, -1, 0, 1, 2, ..., A-Z, FALSE, TRUE; otherwise, **LOOKUP** might not return the correct value. Uppercase and lowercase text are equivalent.



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### Live Demo

Dates

References

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## Spreadsheet Success Factors

- Liveness (output is updated immediately)
- Directness (small distance between goal and actions required)
  - · Is combining data, metadata, and calculations required for this?
- · One-click deployment (universal reproducibility)

# Promising Approaches

- Testing
- Reverse engineering
- Smell detection
- Clone detection
- Refactoring

# Leverage Success Factors for Better Systems?

- Break into groups (one per success factor)
  - Liveness (output is updated immediately)
  - Directness (small distance between goal and actions required)
  - · One-click deployment (universal reproducibility)
- Propose new ideas that take each success factor further.