















- Non-redundant -- no slot pair is checked twice • Progressive -- the alphabetically earliest CD
- considered so far is always in the alpha slot • Effective -- at completion, the alphabetically earliest CD from alpha to end is in alpha slot

These properties apply only to Alphabetize CDs



Summary

We figure out most algorithms on our own, abstracting from specific cases

- Also we abstract parts of an algorithm or program to understand them
 - * Thinking of how the program works and reasoning about its properties allows us to know why an algorithm works ... and then we can let the computer do it

The alpha sweep...

FIT100

- Process of sweeping through all of the CDs (but the last) performing the beta sweep
- Exhausitve -- considers all but last CD
- Non-redundant -- a slot is alpha only once
- Progressive -- when beta sweep completes the alphabetically next CD in alpha
- Complete -- when last beta sweep is done the last slot's CD is later than next to last slot
- Effective -- the alpha sweep alphabetizes







