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## More broadly...

- Mechanical checks of simple properties enormously improve software quality
  - **Types** ~ *General but weak* theorems (usually checked statically)
  - Contracts ~ General and strong theorems, checked dynamically for particular instances that occur during regular program operation
  - Unit tests ~ Specific and strong theorems, checked quasi-statically on particular "interesting instances"
- Needed: Better ways of integrating these different sorts of checks

