DATA REFINEMENT FOR WORKERS
(or Formal Methods for Casuals)
 THEORY ArrayHashMap_Impl

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imports HashCode ListGA ListMapImpl Array_Iterator

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section {"isaheader{Array-based hash map implementation}"} {*}
thory ArrayHashMap_Impl imports
Branch: master

ghc / libraries / base / Data / List.hs

jrraymond Data.List.isSubsequenceOf documentation clarification

18 contributors
What's out there?

Numerous (formal) methods exist for writing specifications and refining those to implementations:

- VDM (Raise, Z, B)
- Reynolds’ method
- Refinement Calculi of Back & von Wright, Gardiner & Morgan, Morris
- Hehner’s method
- Abadi & Lamport’s refinement mappings
- Lynch’s possibilities mappings

major development technique: stepwise refinement

All these methods are proved to be related in the Data Refinement book by Kai Engelhardt and me.
\(x : T\)
Data refinement, the theory and methods:

A mention of model-based testing for monadic programs in:
http://www.cse.chalmers.se/~rjmh/Papers/QuickCheckST.ps