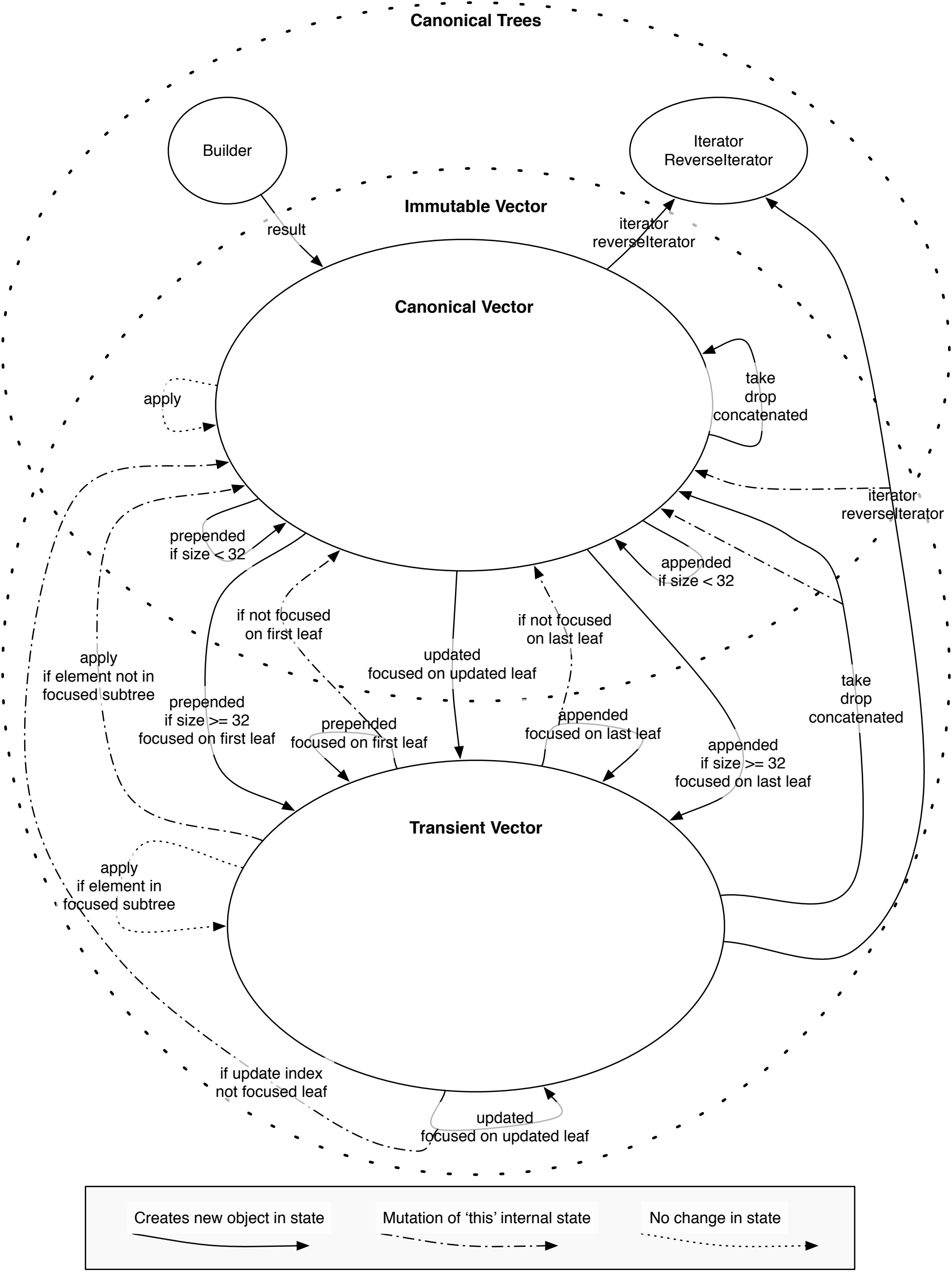
Canonical Trees
Builder
Iterator
ReverseIterator
Immutable Vector
result
iterator
reverseIterator
Canonical Vector
apply
take
drop
concatenated
iterator
reverseIterator
prepended
if size < 32
appended
if size < 32
if not focused
on first leaf
if not focused
on last leaf
apply
if element not in
focused subtree
updated
focused on updated leaf
take
drop
concatenated
prepended
if size >= 32
focused on first leaf
prepended
focused on first leaf
appended
focused on last leaf
appended
if size >= 32
focused on last leaf
Transient Vector
apply
if element in
focused subtree
if update index
not focused leaf
updated
focused on updated leaf
Creates new object in state
Mutation of ‘this’ internal state
No change in state