```
(empty-stack) = [\phi]
(empty-stack) = [s], where (empty-stack? [s]) = #t
Constructor.
(empty-stack? [s]) = { #t if [s] = (empty-stack), #f otherwise }
Observer.
(push [s] val) = [g], where <math>(top [g]) = val and (pop [g]) = [s]
\longleftrightarrow
(push (pop [s]) val) = [s]
Constructor.
(pop (push [s] val)) = [s]
(pop [\phi]) = error
Observer.
(top (push [s] val)) = val
(top [\phi]) = error
Observer.
```