

ReductionModel

-history: Stack<LambdaRoot>
-paused: boolean = true
-strategy: ReductionStrategy
-current: LambdaRoot
-step: int = 0

+ReductionModel(term: LambdaRoot, strategy: ReductionStrategy)

+play()

+pause()

+step()

+stepRevert()

+stepFinished()

paused = false;

history.push((LambdaRoot) current.accept(new CopyVisitor()));
current.accept(new BetaReductionVisitor(strategy));
step++;

assert(history.size() > 0);
current.setChild(history.pop().getChild());

if (!paused) {
 step();
}