

Experienced Developer

Increase cohesion by 10% and
reduce depth of inheritance by 1
for class C

Not assisting developers in what
software properties need to
change



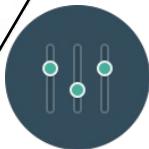
Mathematical Approximation of the
Refactoring Problem



Scala

$f(x)$

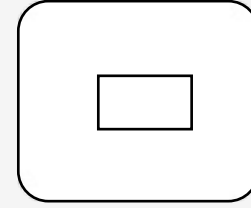
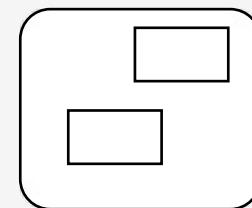
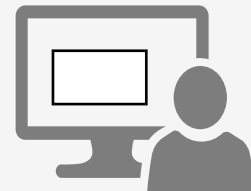
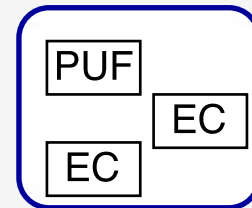
Tune Parameters



Combinatorial Optimization
Proposed Model



Major Technique



Recommendation Sets

Sets do not represent actionable
recommendations exclusively

Refactoring Solutions are not
compared to Actual Refactoring in
the inspected systems

Refactoring Solutions are not
implemented

Not a tool or a framework

Assessing error-proneness is
left to the developer's criteria