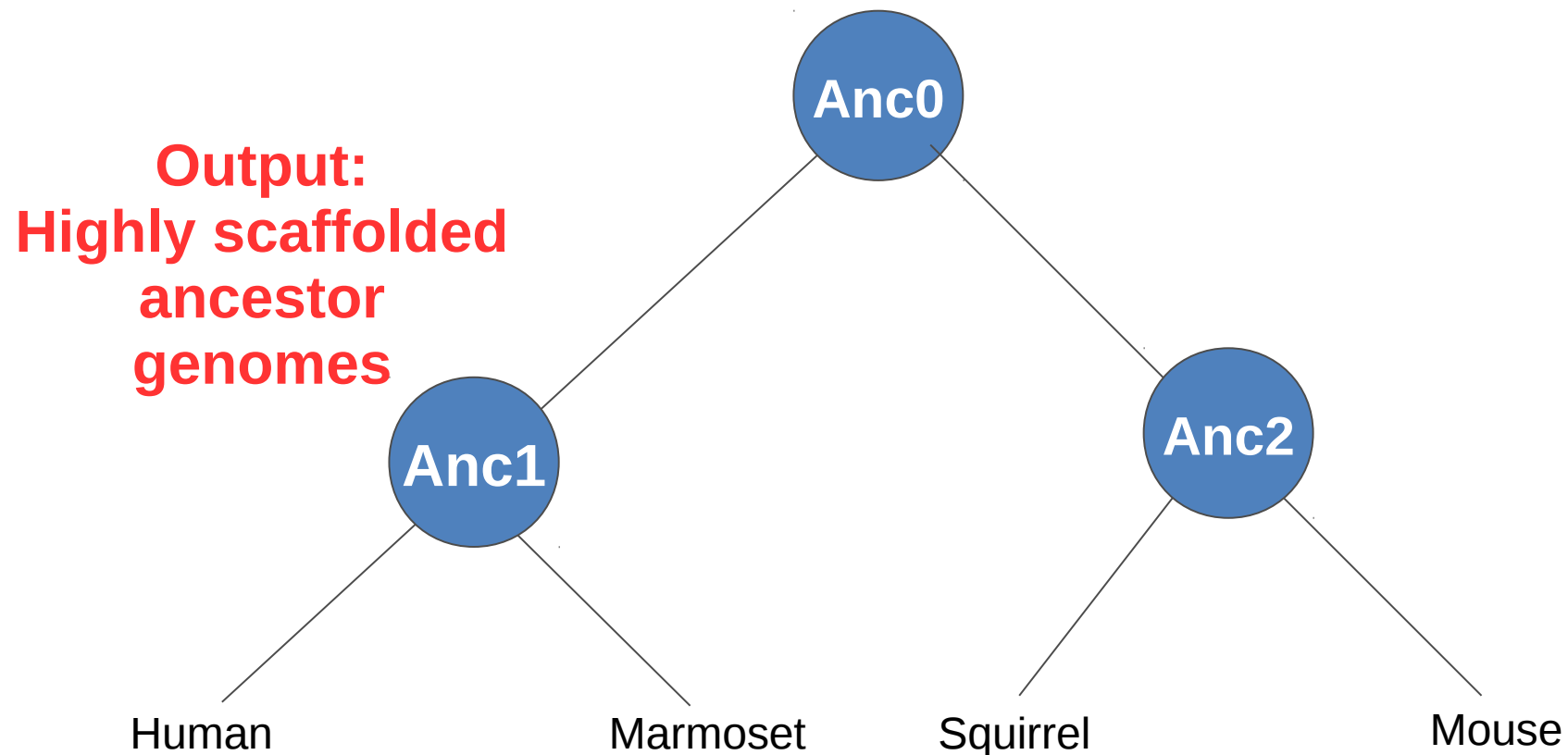


Ancestral Genome Reconstruction with progressiveCactus

Ancestral problem



Input:
draft or completed genomes

Strategy

1. Align leaf-genomes using Cactus
2. Decompose all genomes (ancestors and leaves) into **multiple syntenic block scales**
3. Solve small parsimony problem in context of syntenic blocks adjacencies
4. Scaffolding the ancestor contigs from Cactus's result
5. Iterate **3, 4** in multiple block scales

Iterative assembly in multiple stages

