

Preprocessing

Facial Reduction

Reduce Polytope

Initializer

Get Initial Point

Sparse Walks

Barrier Walks

Random
Walks

Dense Walks

Random
Walks

Barrier Walks

Standard MCMC List

Ball Walk, Hit-and-Run

Functionality

GenerateWalk(Polytope,
Point, Burn In, Thinning)

Barrier MCMC List

Dikin Walk, Vaidya Walk, John
Walk, Lee Sidford Walk