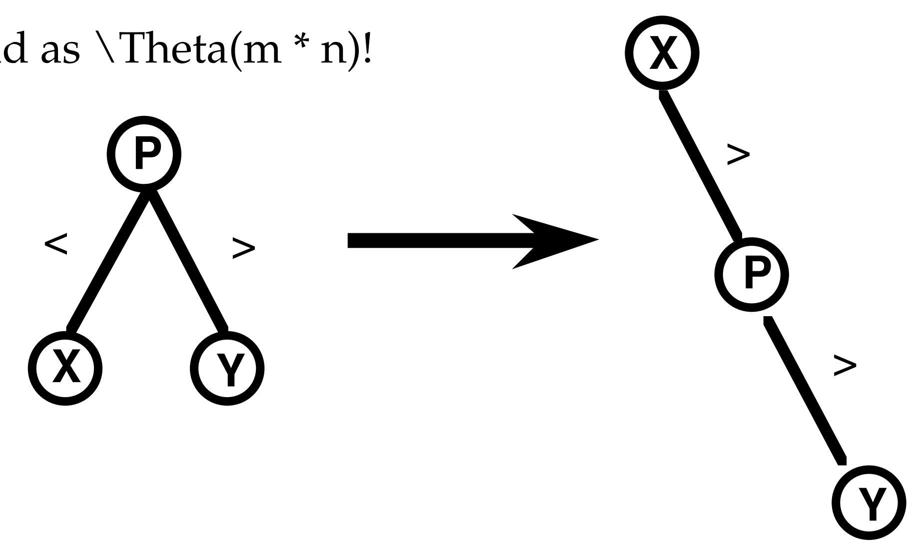
Self-organiziation

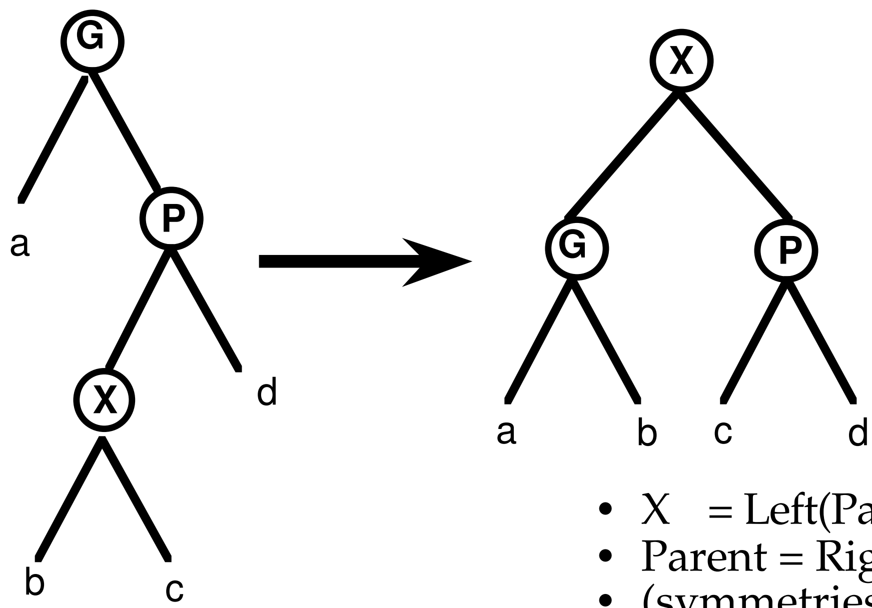
- Move-to-front lists
- Path compression in BST
- Least-recently-used (LRU) in memory swapping

Rotate2root

- Rotate: X -> Parent(X)
- zig
  - Single rotation
  - When Parent is root
- But can be as bad as \Theta(m * n)!

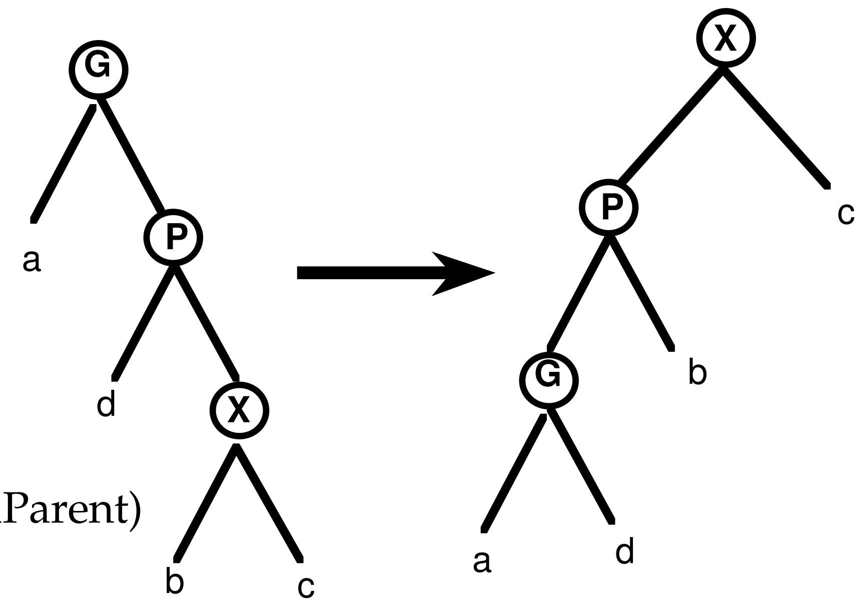


zigzag



- X = Left(Parent)
- Parent = Right(GrandParent)
- (symmetries, too)
- Double rotation
- = Two single rotations
- Same as rotate2root

zigzig



- X = Left(Parent)
- Parent = Left(GrandParent)
- Double rotation
- 1. Rotate Parent -> Grandparent
- 2. Rotate X -> Parent
- "Anticipates" (contra rotate2root)