6.897
L5.2
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access(v): make preferred path from root to v & make v the root of the aux. tree
- splay v (within its aux. tree) - brings to root
- remove v's preferred child:
  - path parent(right(v)) ← v
  - right(v) ← none
- loop:
  - w ← path parent(v)
  - splay w (within its aux. tree)
  - switch w's preferred child to v:
    - path parent(right(w)) ← w
    - right(w) ← v
    - path parent(v) ← none
  - v ← w

until v is in root's preferred path

findroot(v):
- access(v) - brings to root of aux. tree containing root of rep. tree
- find min. (depth) node in aux. tree: = root of rep. tree.
  - v ← left(v) until left(v) = none
- splay v
- return v

cut(v):
- access(v)
- declare left(v) to root new tree of aux. trees:
  - left(v) ← none
- note: right(v) = none - v now alone in aux. tree

link(v, w):
- access(v) - makes v a singleton path/aux. tree
- access(w) - makes w root of its aux. tree
- left(v) ← w - v is new deepest element in w's path