

Black-white coloring

Let G be a connected,

weighted simple graph.

Color each vertex of G

black or white

Albert R Meyer October 31, 2017 min-gray.3

Black-white coloring

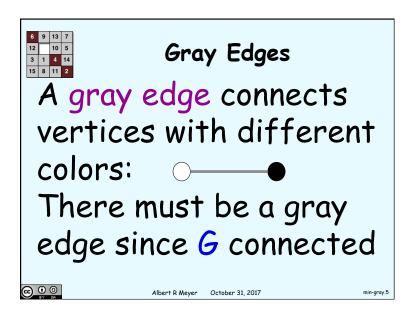
Let G be a connected,

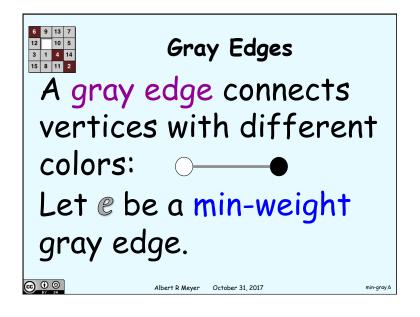
weighted simple graph.

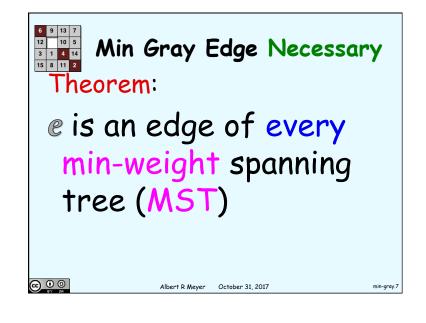
Color each vertex of G

black or white, not all

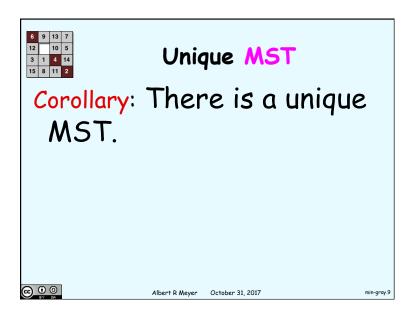
same color.

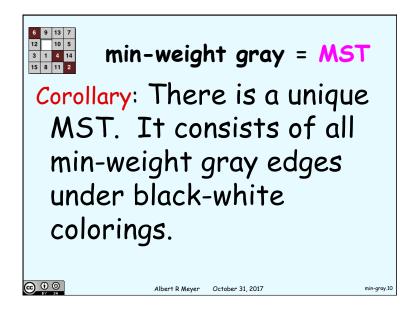


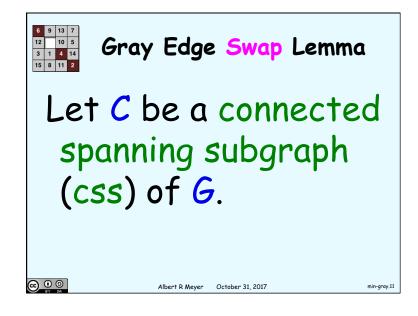


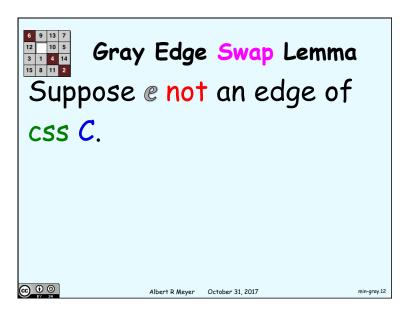










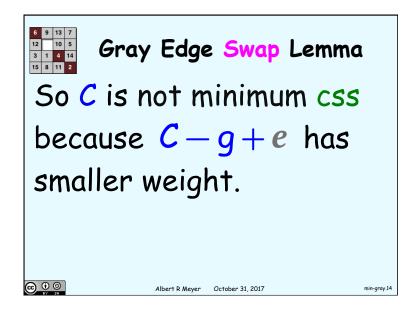


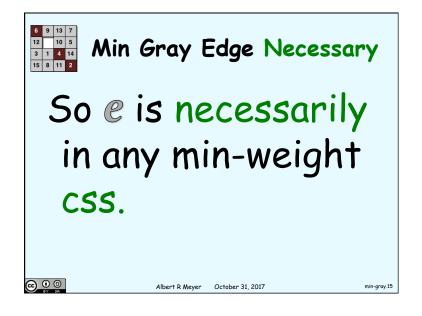
Suppose @ not an edge of css C. Then there is an edge g of C:

(i) wt(@) < wt(g)

(ii) C - q + e is a css

@ **①** @





min-gray.13

