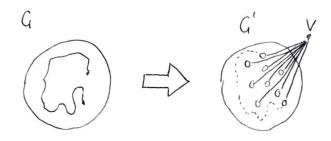
## Maturatzha dyshetna, Wyhtad 14, 23/01/2020

Redulige mélonianoire

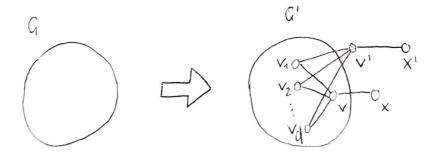
Problèm 1: Cry graf G ma drogg Hamiltona? Problèm 2: Cry graf G ma cylil Hamiltona?

Zatoriny, ie dyspomijemy szyttnin (hichomianonym) algorytmen winym jgay problem 2. Pokinemy jak nigé go do weigrama publim 1.



Lemat: a ma drogg Hamiltona (=> a' ma cyll Hamiltona

Tem zatoziny, że dyspounjemy szybhim algogtnen dla publim 1. Czy moina go vigé do conigrania problem 2?



Lend: a ma cyll Hamilton (=> a' ma dwyg Hamiltona Cry graf shiewrang G ma slivers my cylel Hamiltona? (revlateja z 3 do 2) a - showing -> a' - me showing

Shojanenia i grafach

Shojanur a gufie to podrtisa larrychi o vortgerych horzach.

Tmerdzenie Halla

U dendrichym quefic a istorieje petre slesjaneme wtw, goly handy podrbiór k mandothor z V1 ma conajurus h systander dla domlingo h.

Kolonorame lingshi le holorami to talve pryporyshoramie listore lingshion grafi, ze doirolne dere lingshire incydenthe z tym samyn wienchotherm majo wine holory. Minimalia liciba holorer potuckaych do poholororamia lingshir to indets directly (Ye(G) lub Y'(G)).

Fals: xe(a) > deg(a)

Threvdrenie Vizinga: re(a) \le deg(a)+1

Thirdrene Königa: G-dundriely => Me (G) = deg (G)