

Jadro orient. grafu bez lichých cyklů

Algoritmus: 1) $n := 0, G_n := G$.

2) zvol H_n kvazikomponentu G_n , odpovídající státní kondenzace, vol $S_n \in U(H_n)$ a vol $S_n = \{u \in U(H_n) \mid u \text{ v } H_n \text{ ex. sled podle délky } \alpha \text{ do } v_0 \text{ do } u\}$.

3) Je $H_n = G_n$?

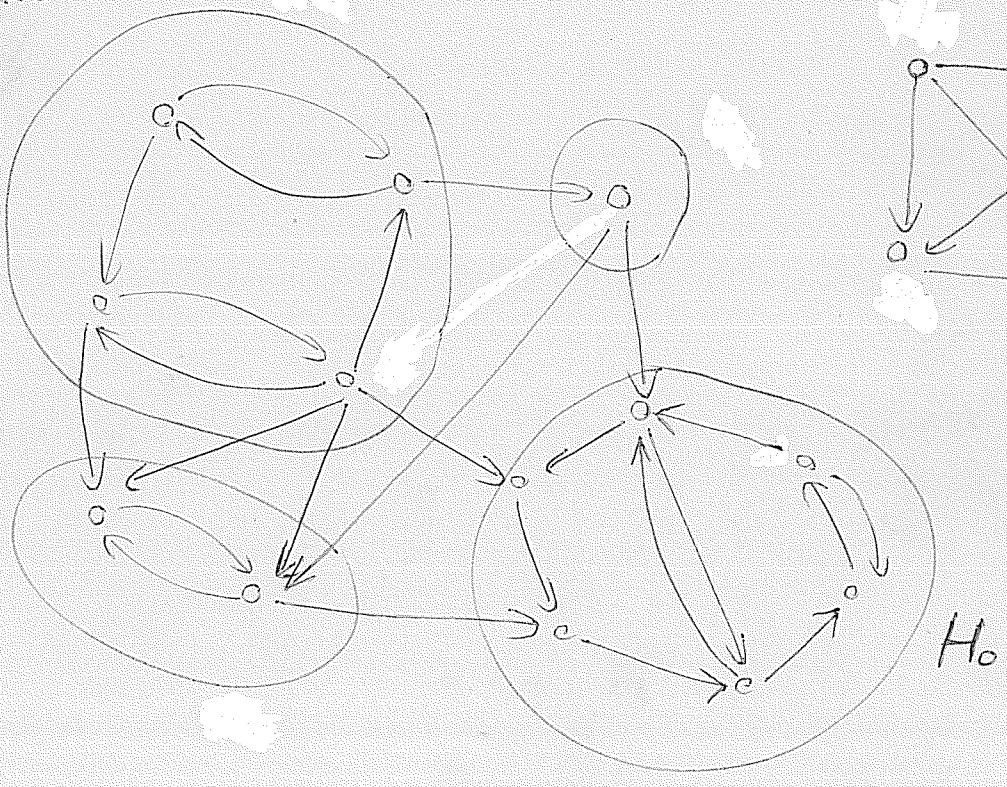
- ne: ~~vol~~ vol S_n

$$G_{n+1} = G_n - S_n - N_G^-(S_n),$$

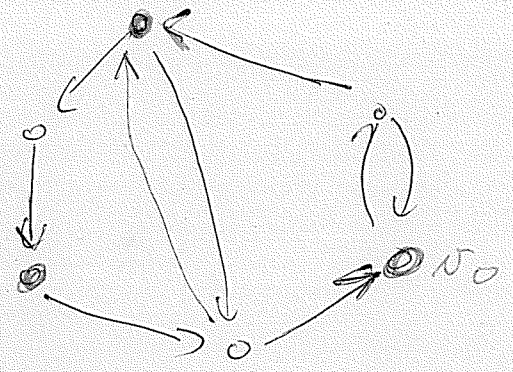
$n := n+1$ a jdi na (2),

- ano: vol $S = S_0 \cup \dots \cup S_n$.

$G_0 \neq G$:



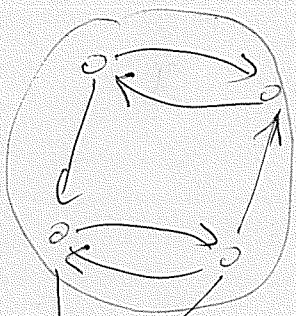
H_0



S_0

$H_0 \neq G_0$

G_1



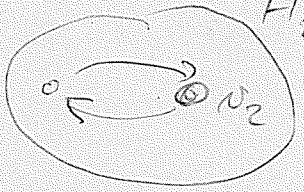
H_1



S_1

$H_1 \neq G_1$

G_2

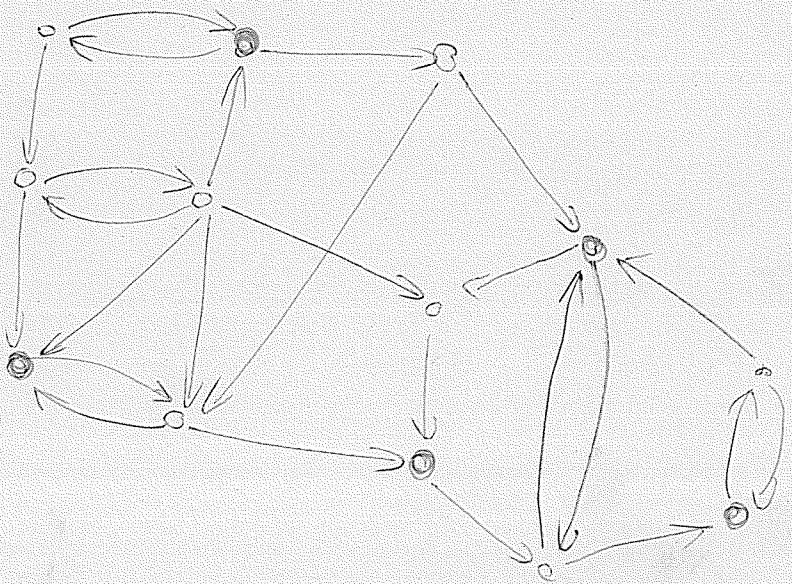


H_2

S_2

$H_2 = G_2$

$S = S_0 \cup S_1 \cup S_2$



S