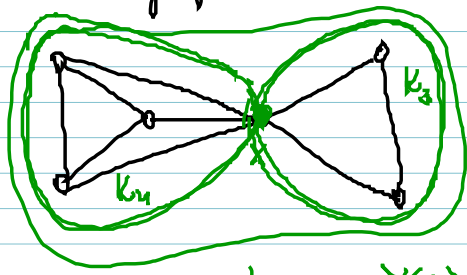
Určete vrcholovou a hranovou stupeň souvislosti grafu G.

G:



$\kappa(G) \leq \kappa'(G) \leq \delta(G) = 2$

$1 \leq \kappa(G) \leq 2$

$G - x$

$\Rightarrow$ G není vrcholově 2-souvislý

$1 \leq \kappa(G) \leq 1 \Rightarrow$

$\Rightarrow \kappa(G) = 1$

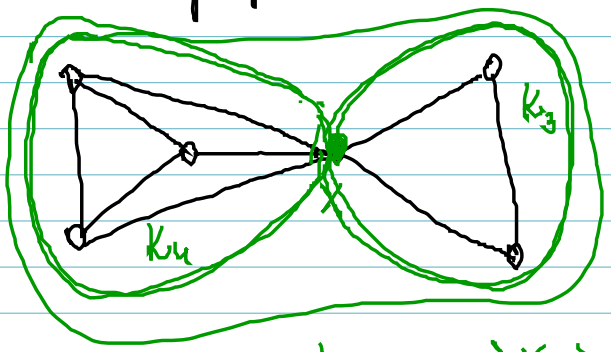
$1 \leq \kappa'(G) \leq 2$

$\kappa(K_n) = \kappa'(K_n) = n-1$ $\quad 2 \leq \kappa'(G) \leq 2 \Rightarrow$

G je hranově 2-souvislý $= \kappa'(G) = 2$

Určete vrcholový a hranový stupeň souvislosti grafu G.

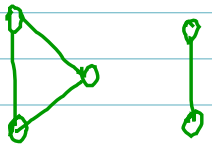
G:



$\kappa(G) \leq \kappa'(G) \leq \delta(G) = 2$

$1 \leq \kappa(G) \leq 2$

$G - x$



$\Rightarrow$ G není vrcholově 2-souvislý

$1 \leq \kappa(G) \leq 1 \Rightarrow$

$\Rightarrow \kappa(G) = 1$

$1 \leq \kappa'(G) \leq 2$

$\kappa(K_n) = \kappa'(K_n) = n-1$ $\quad 2 \leq \kappa'(G) \leq 2 \Rightarrow$

G je hranově 2-souvislý $= \kappa'(G) = 2$