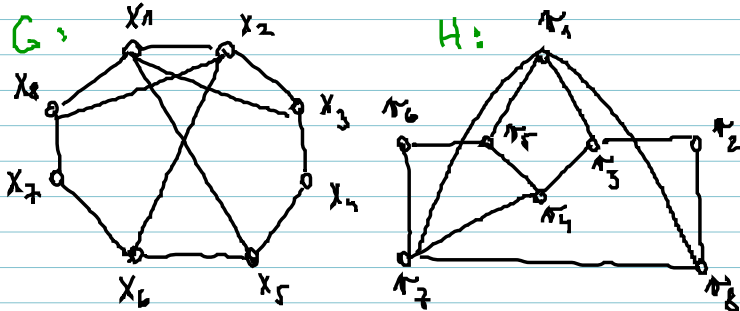


JSOU GRAFY G A H IZOMORFNÍ?
 SVOU ODPOVĚDĚD DOKAŽTE!



$$G \cong H \Rightarrow \forall v \in V(G) : \deg_G(v) = \deg_H(f(v))$$

$$f(x_1) = n_1 \quad \vee \quad \text{nebo} \quad f(x_1) = n_7$$

$$f(x_2) = n_7 \quad \vee \quad f(x_2) = n_1$$

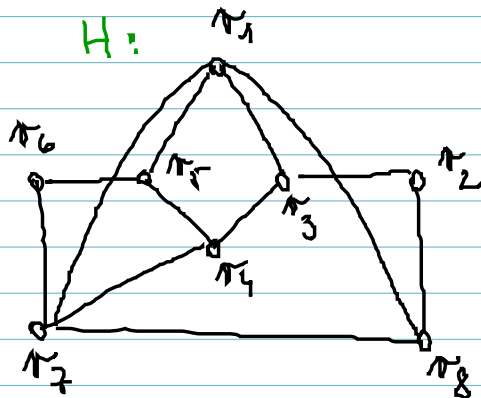
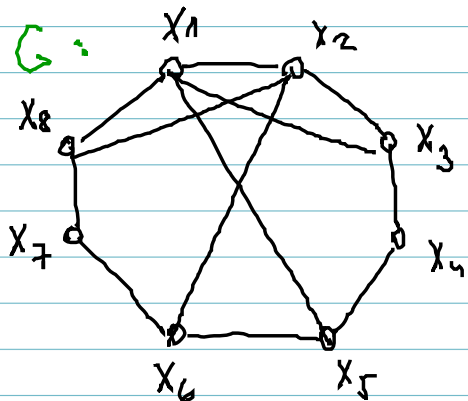
$$x_1 : (4, 3, 3, 3) \quad n_1 : (4, 3, 3, 3)$$

$$x_2 : (4, 3, 3, 3) \quad n_7 : (4, 3, 3, 2)$$

$$\exists u \in V(G) : \deg(u) = 3$$

$$\deg f(u) = 2$$

JSOU GRAFY G A H IZOMORFNÍ?
 SVOU ODPOVĚĎ DOKAŽTE!



$$G \cong H \Rightarrow \forall v \in V(G); \deg_G(v) = \deg_H(f(v))$$

$$f(x_1) = n_1 \text{ a}$$

nebo

$$f(x_1) = n_7$$

$$f(x_2) = n_7$$

$$f(x_2) = n_1$$

$$x_1: (4, 3, 3, 3)$$

$$n_1: (4, 3, 3, 3)$$

$$x_2: (4, 3, 3, 3)$$

$$n_7: (4, 3, 3, 2)$$

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