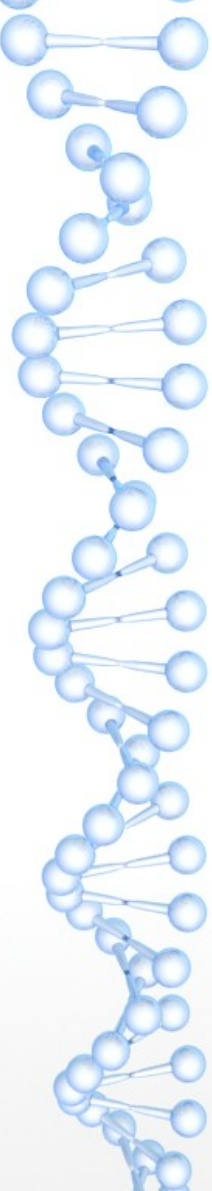


# Vizualizácia chromozomálnych zmien počas evolúcie

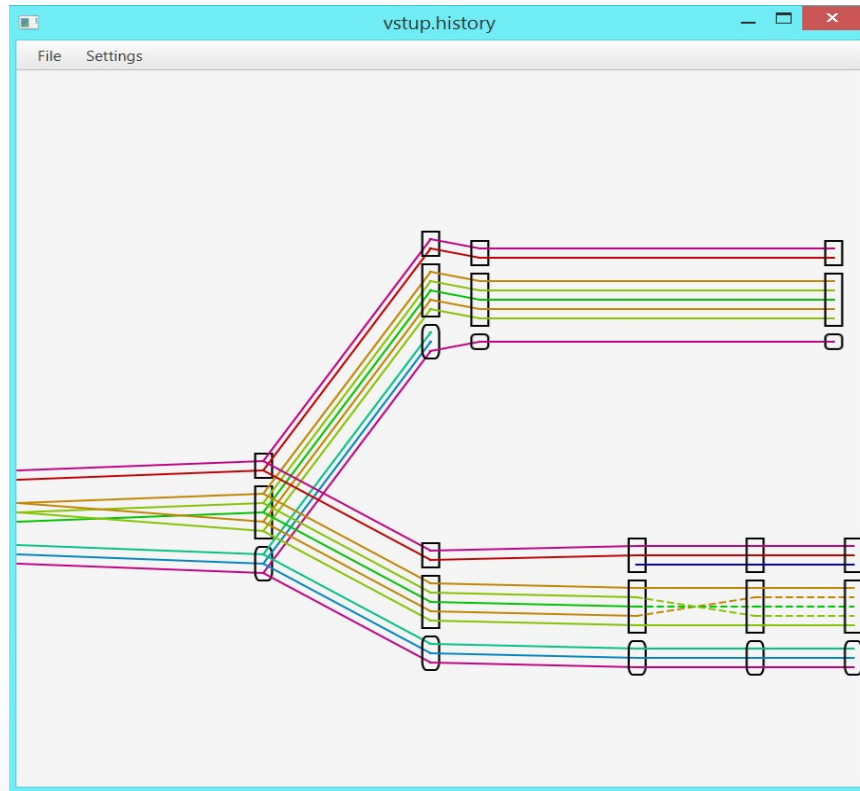
Autor: Jaroslava Kokavcová

Školiteľ: doc. Mgr. Bronislava Brejová PhD.

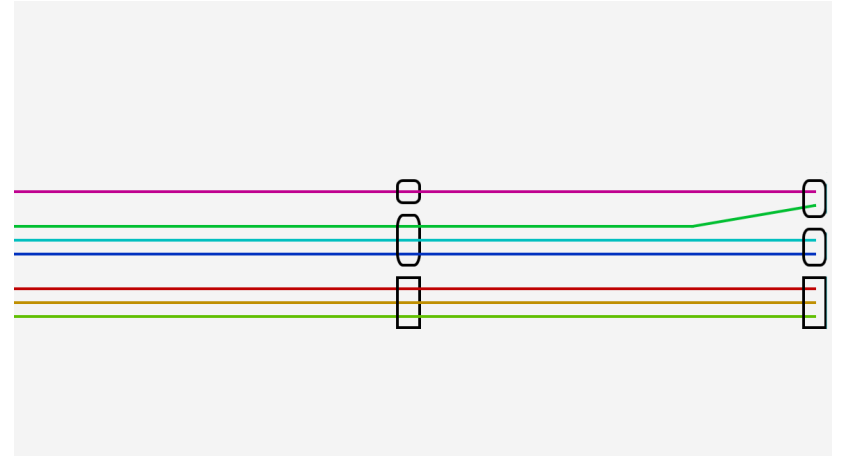
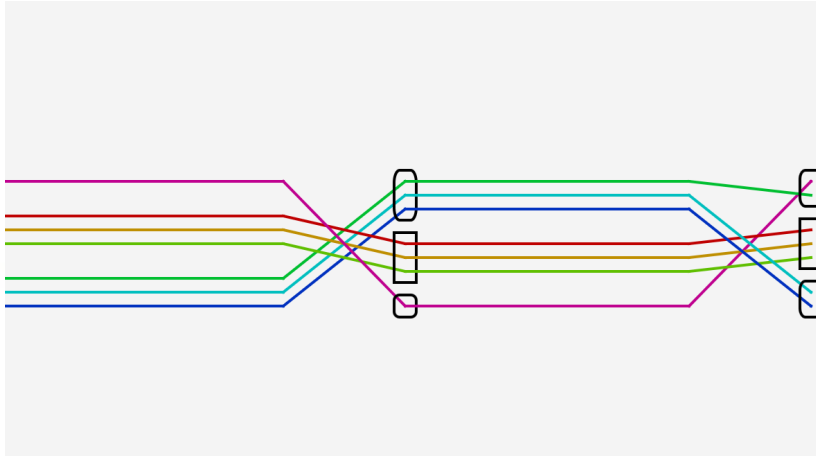
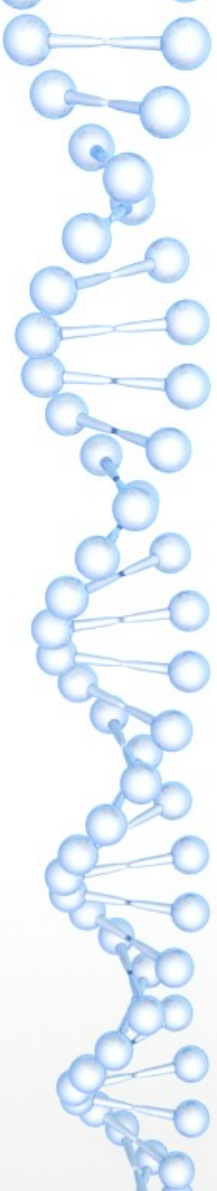
# Úvod

- 
- DNA
  - Chromozóm
  - Gén
  - Genóm
  - Evolučná história

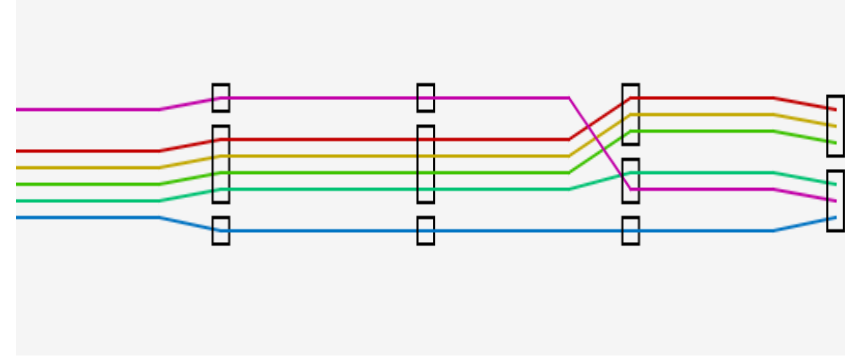
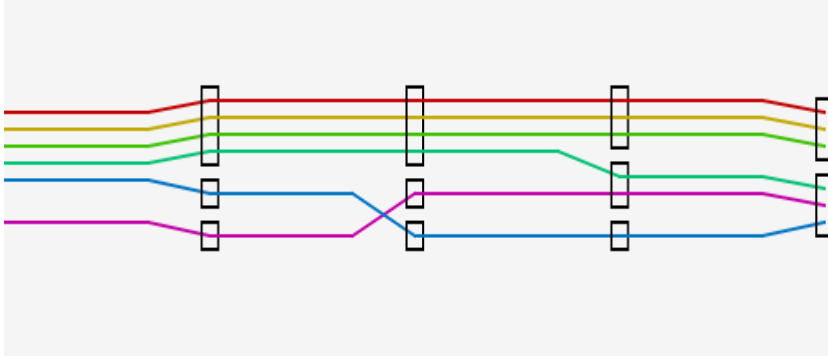
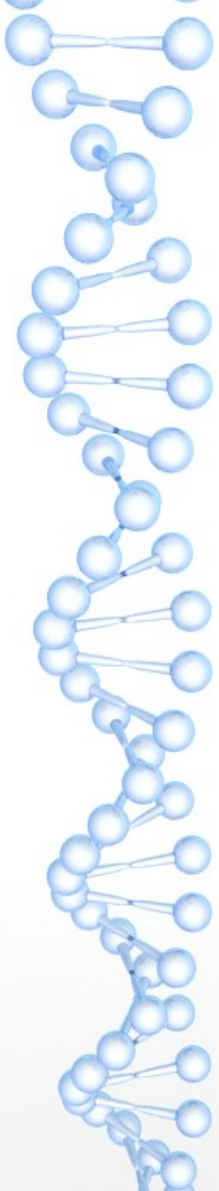
# EHDraw



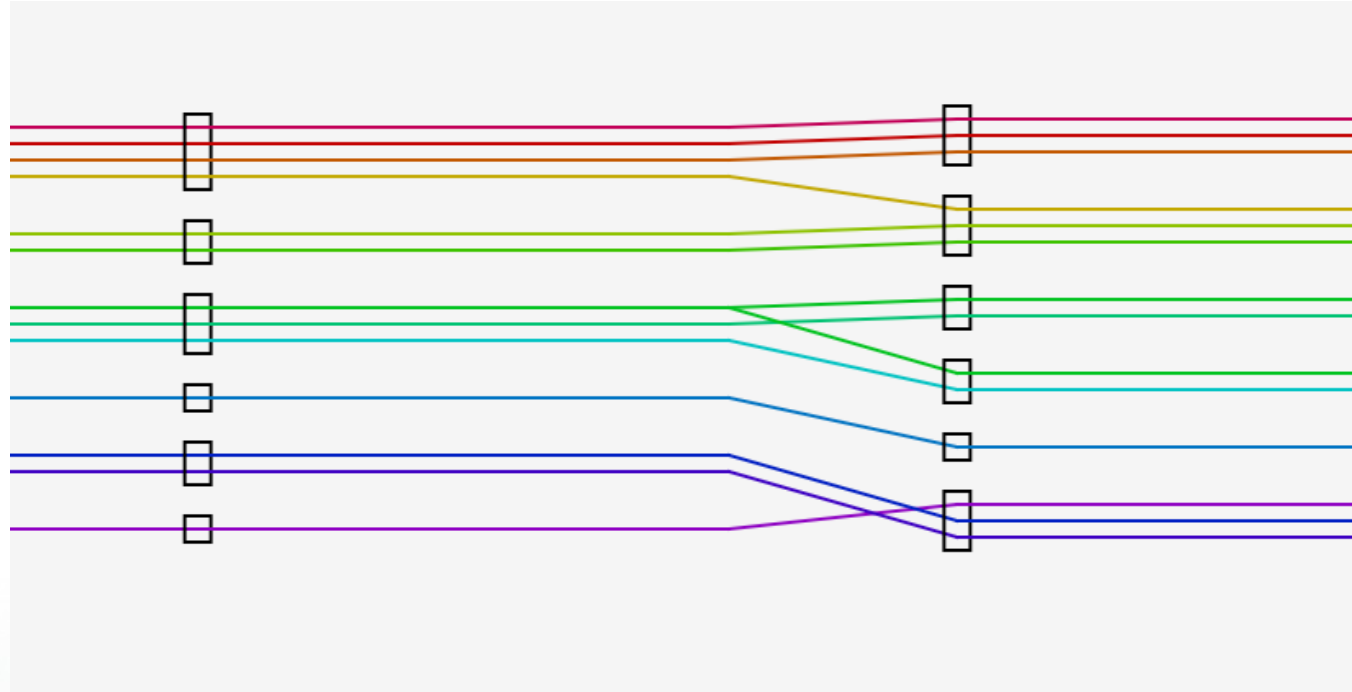
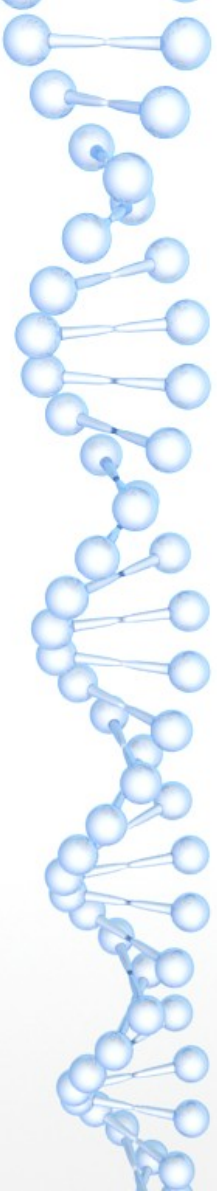
# Motivácia



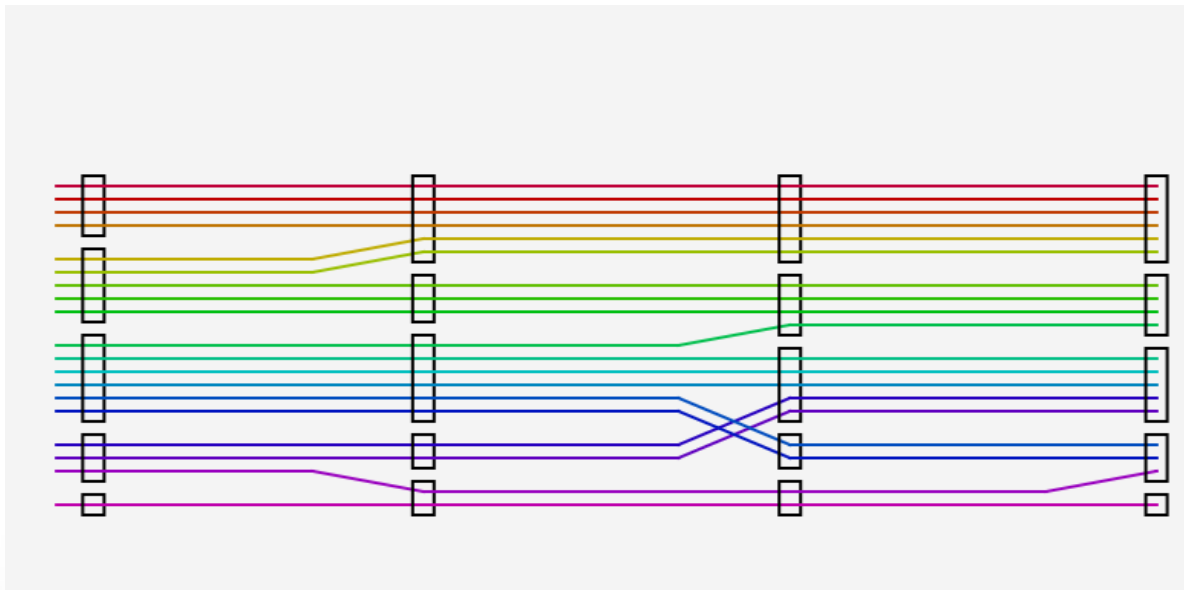
# Motivácia



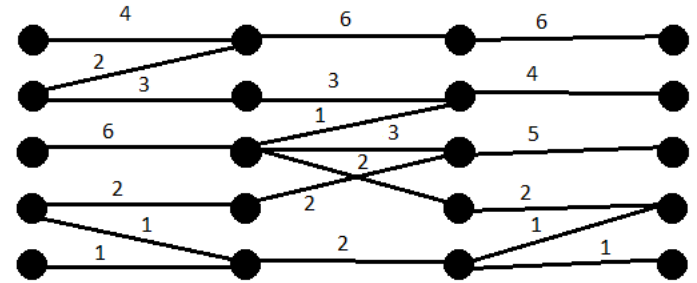
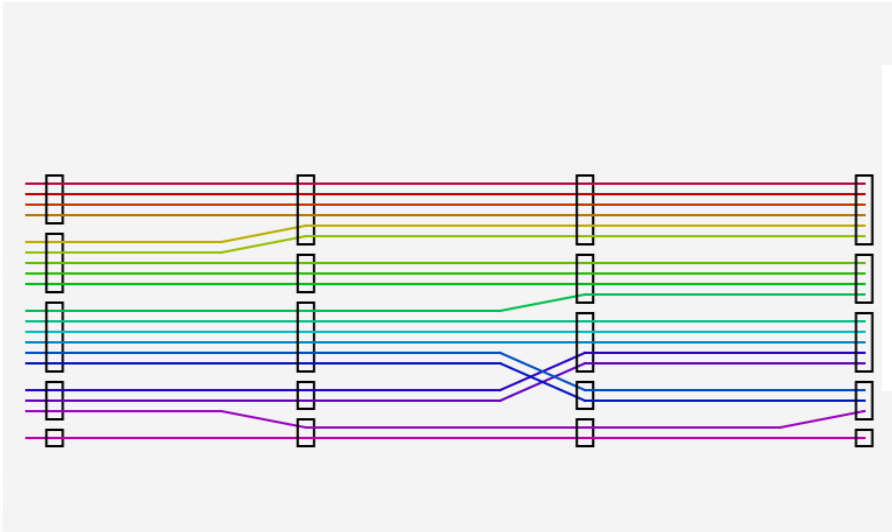
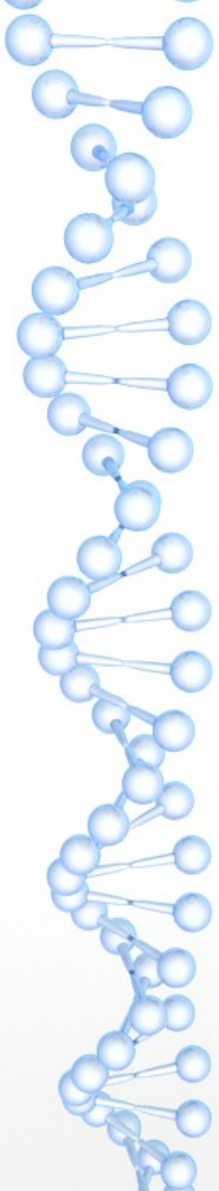
# Zaujímavé miesta



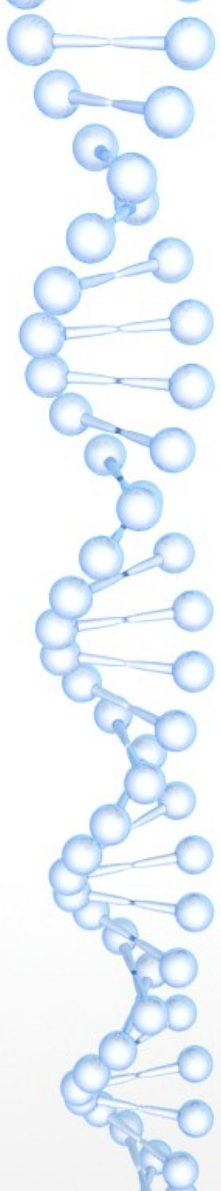
# Graf evolučnej histórie



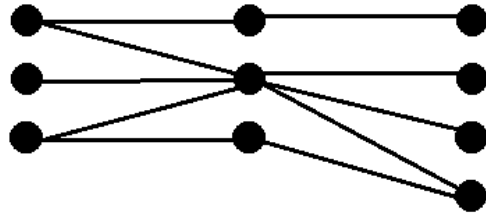
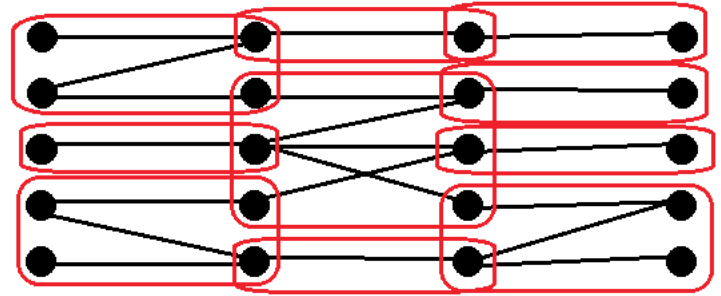
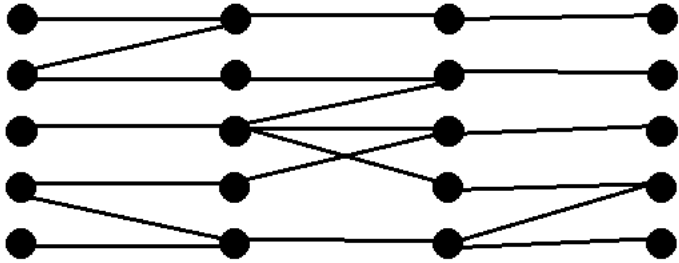
# Graf chromozómov

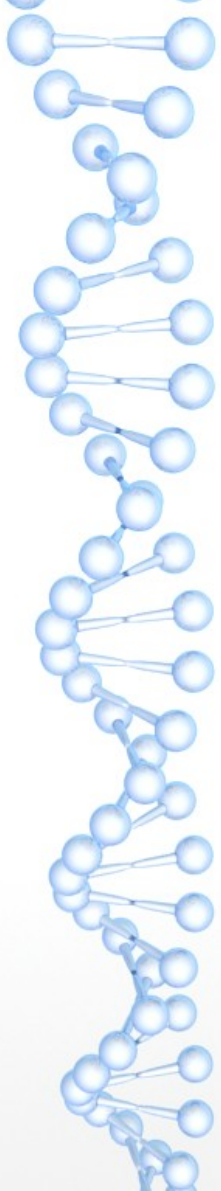




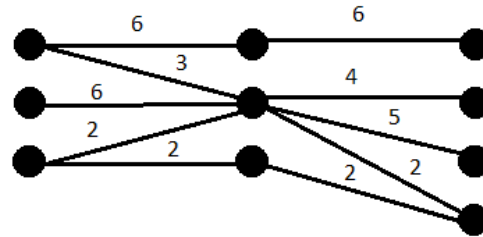
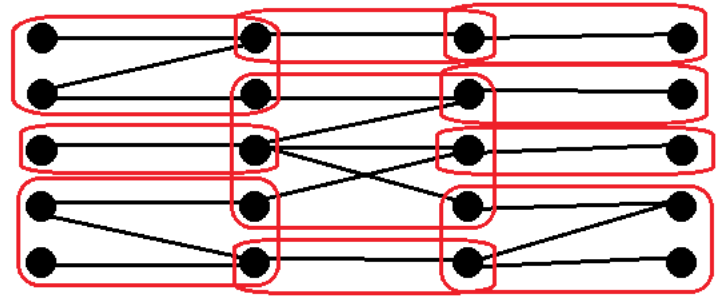
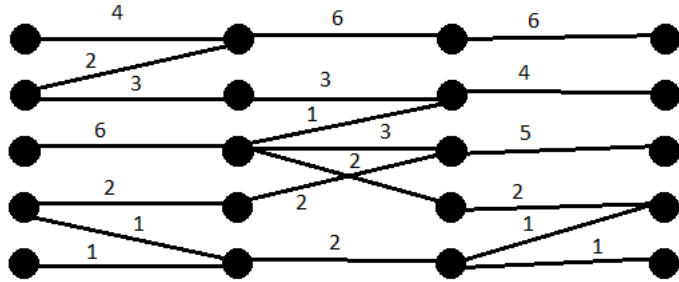


# Graf komponentov





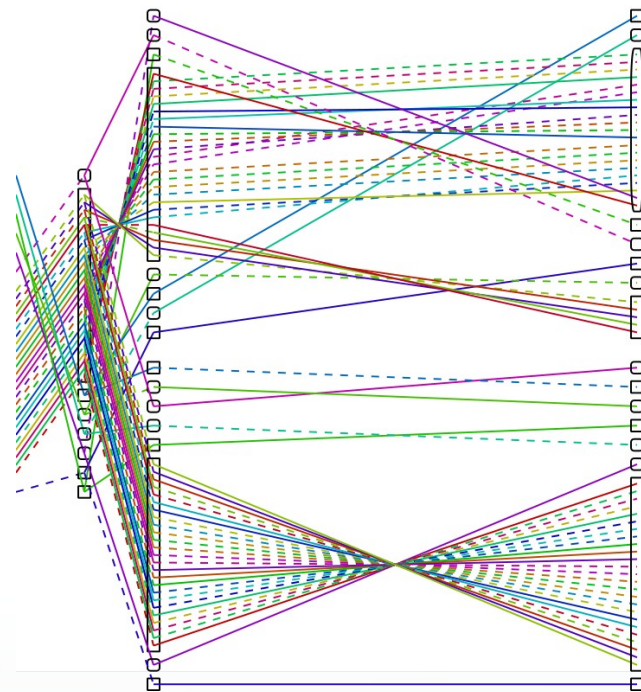
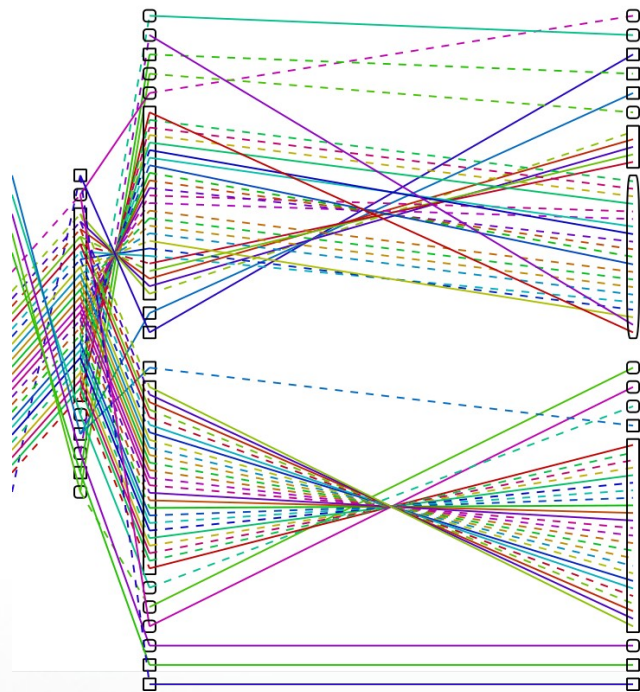
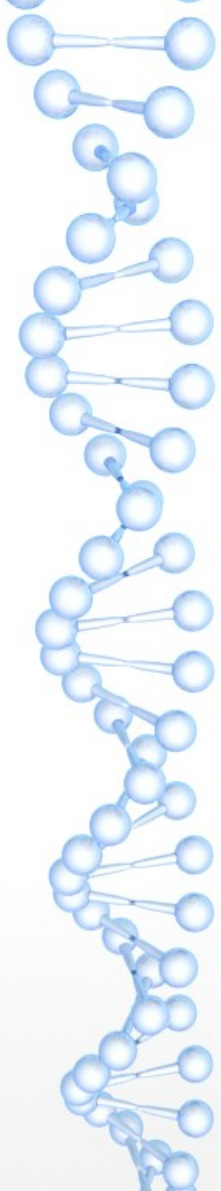
# Ohodnotenie hrán



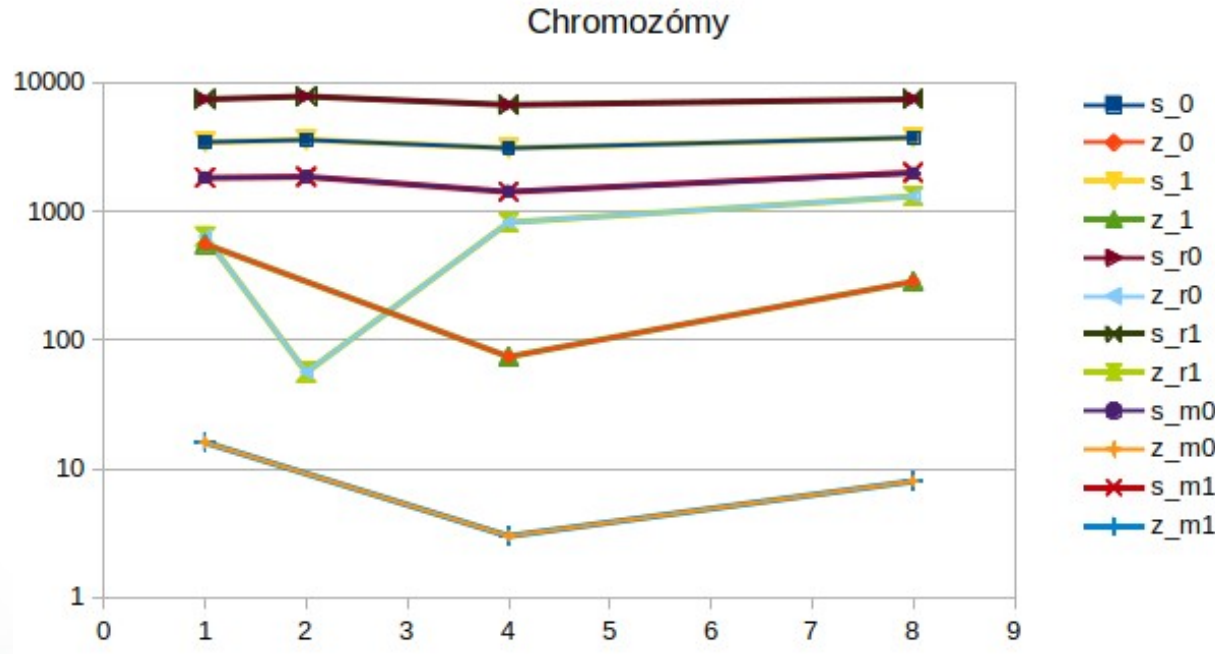
# Sugiyamova metóda

- Vizualizácia orientovaných grafov
- Poradie vrcholov
- Jednostranný problém
  - Barycentrová heuristika
- Prechod po vrstvách

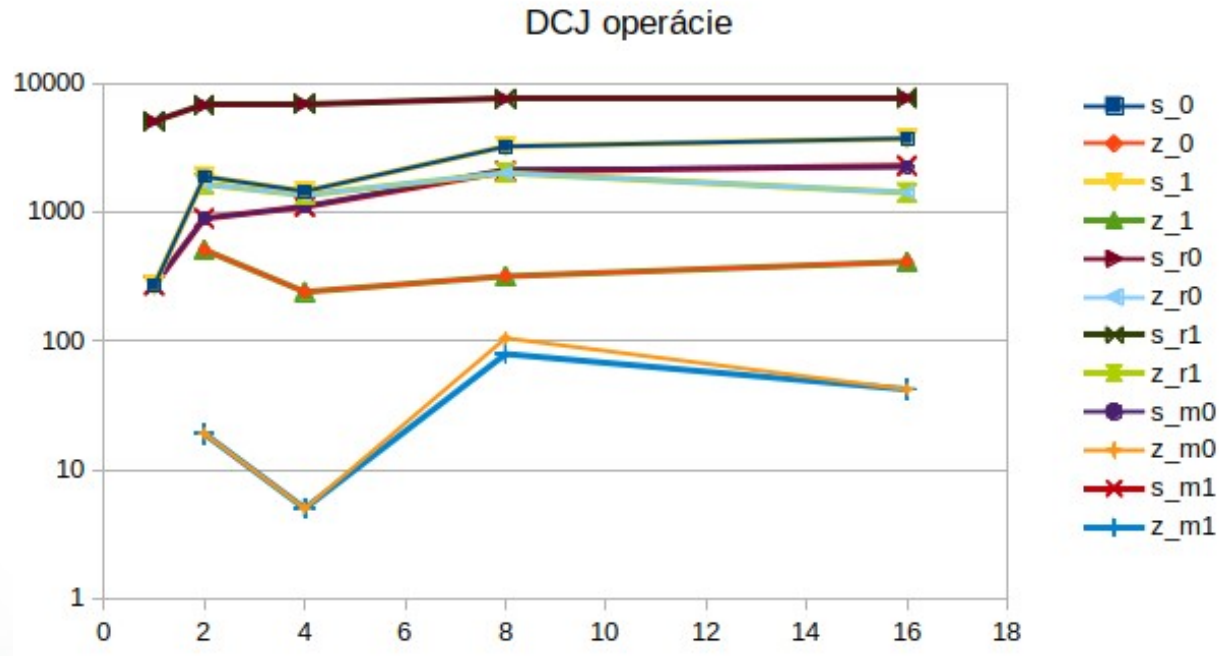
# Výsledky



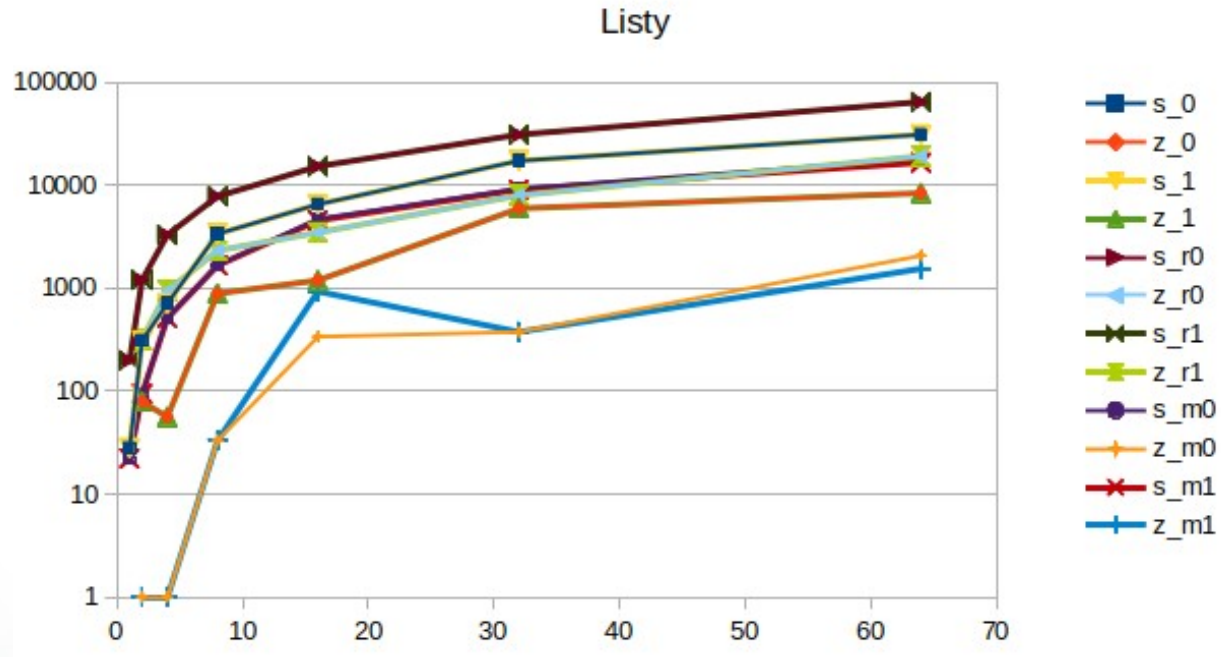
# Výsledky



# Výsledky



# Výsledky



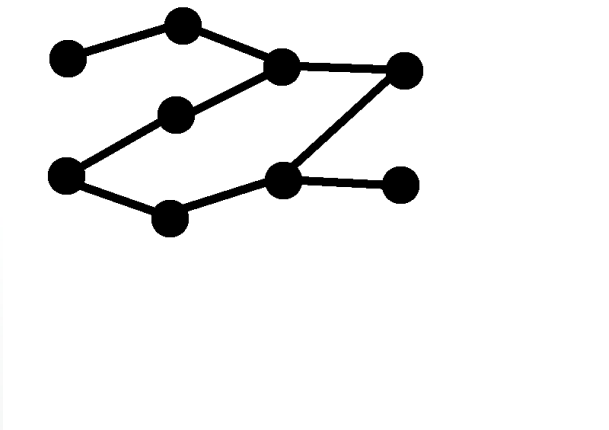
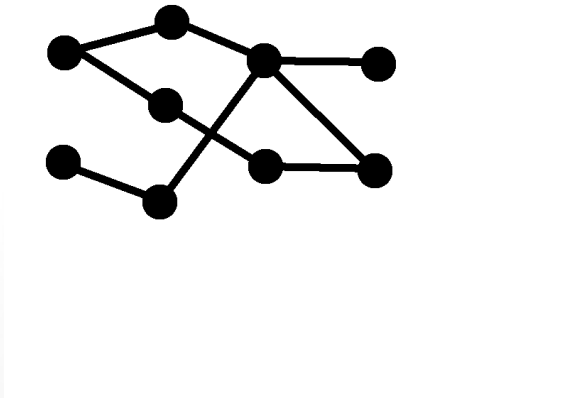
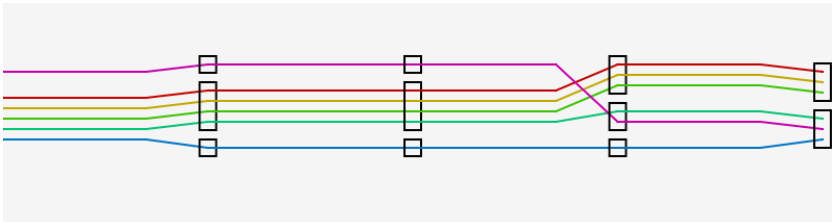
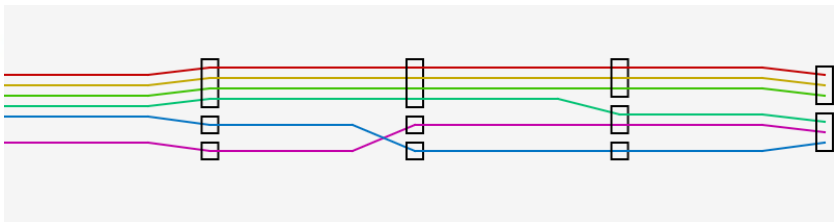
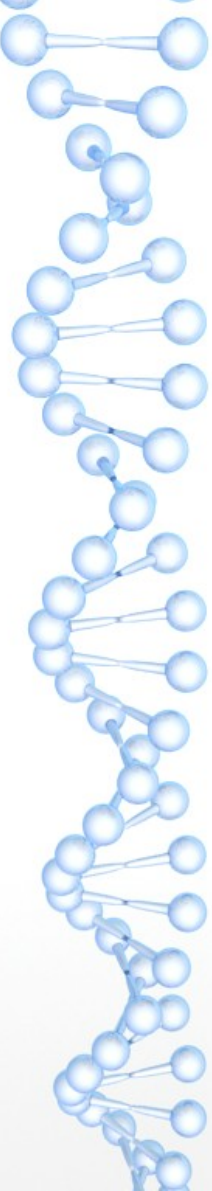


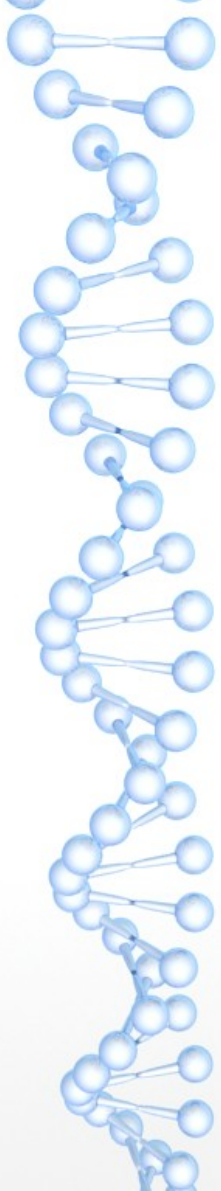
# Výsledky

	$S_0$	$Z_0$	$S_1$	$Z_1$	$S_{r0}$	$Z_{r0}$	$S_{r1}$	$Z_{r1}$	$S_{m0}$	$Z_{m0}$	$S_{m1}$	$Z_{m1}$
<b>Mammal1</b>	681	91	681	91	6583	4323	6583	4323	626	9	628	9
<b>Mammal2</b>	384	0	384	0	4660	40	4660	40	384	0	384	0
<b>Mammal3</b>	342	0	342	0	3326	0	3326	0	342	0	342	0



# Heuristika





Ďakujem za pozornosť