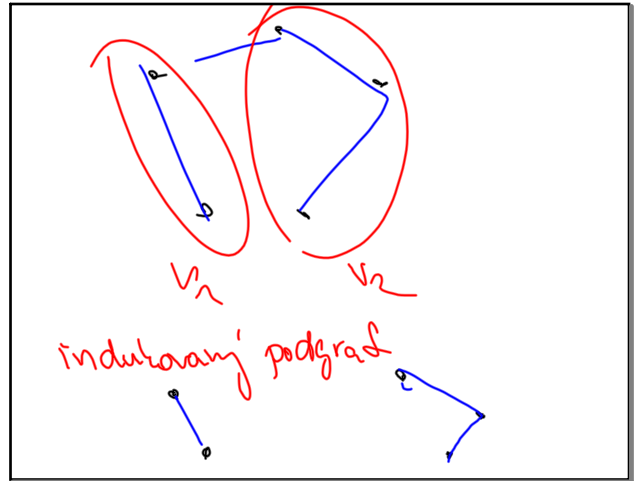


sled  $v \in G$ :  
 $N_0, e_{n-1}, N_{n-1}, e_2, N_2, \dots, e_1, N_1, N_n$   
 sled deljiv  $n$   $e_i = \{N_{i-1}, N_i\}$

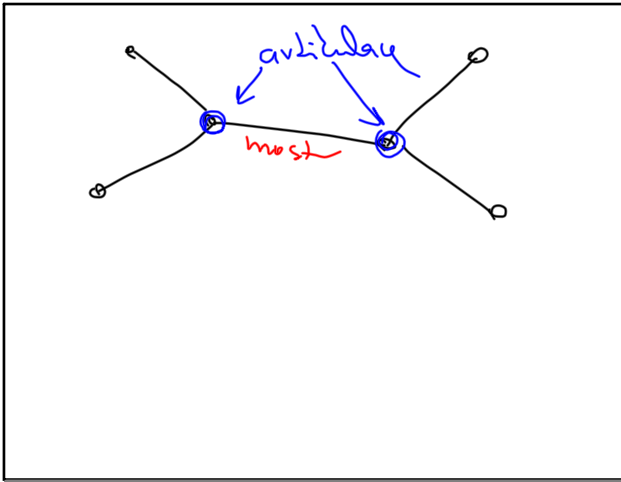
rečimo o poslu sledi:  
 inducira preko  $k$ :  
 I.  $k=1$ :  $(A_0)_{ij}$  udišid počat sledi deljiv 1 mori  $v_i, v_j$   
 zbirni, nabit  $A_{ij} = 1 \Leftrightarrow N_i, N_j$  jom sprijam hovan  $\Leftrightarrow$  mori  $v_i \sim v_j$  ex sled deljiv 1.

II.  $k=n \xrightarrow{IP} k=n+1$   
 $A_0^{n+1} = A_0^n \cdot A_0 = A_0 \cdot A_0^n$   
 $a_{ij}^{(n+1)} = \sum_{k=1}^n a_{ik}^{(n)} \cdot a_{kj}^{(n)}$  ←  $1 \Leftrightarrow \{N_i, N_j\} \in E$   
 sled deljiv  $n$  IP: sled deljiv  $n$  mori  $v_i$  a  $v_j$   
 Q.E.D.

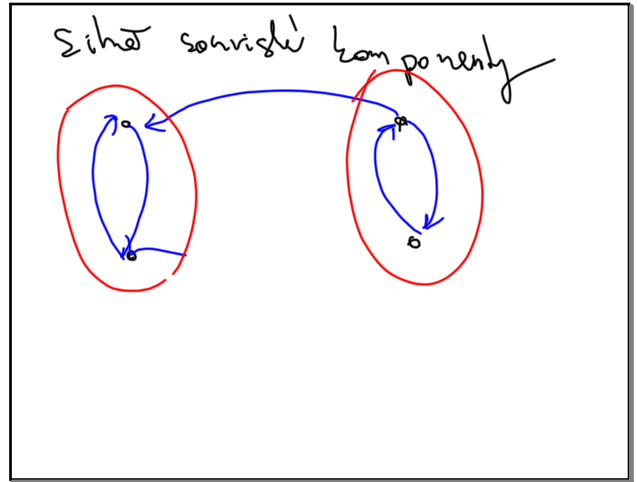
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11 14-12:37



11 14-12:41



11 14-12:49

$\Delta$  nerovnost:

$d(a, b) \leq d(a, c) + d(c, b)$   
 analogin  $\|u+v\| \leq \|u\| + \|v\|$

11 14-12:57

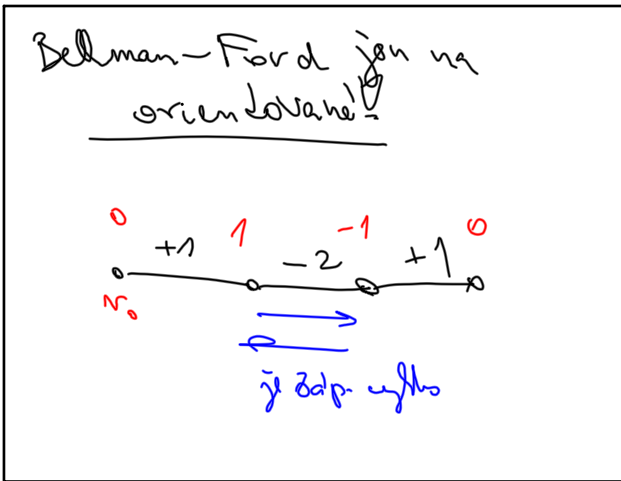
problem (Dijkstra) s neg. oled.  
 hronami:

nenajede min. sled

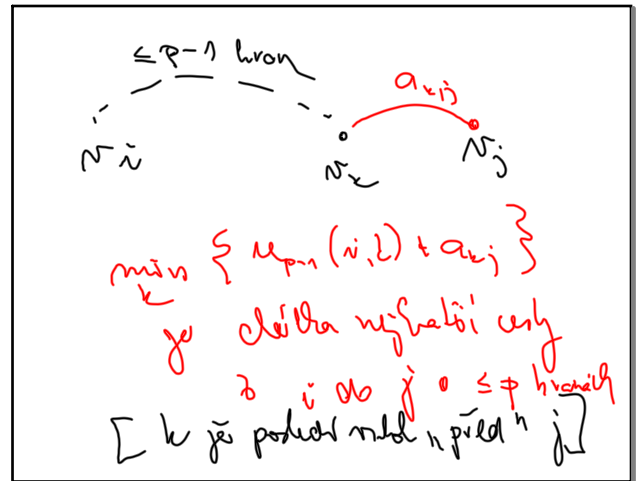
najr. cesta  $n_0$  do  $n_2$  je vs skuciat deljiv 1

spravni vodileno i najr. s neg. oledom

11 14-13:14



11 14-13:32



11 14-13:37