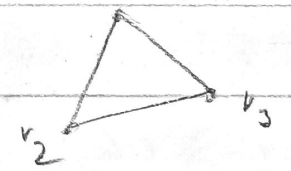
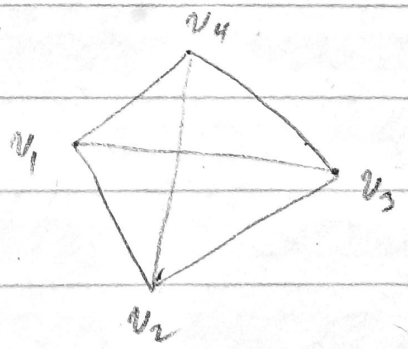
SV 19/2020 Katarina Vučić
SV 18/2020 Milica Sladatović

DOMAĆI 10



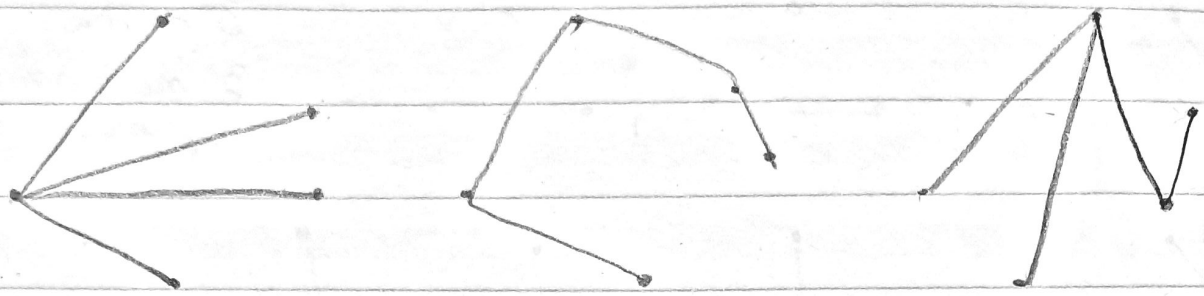
1. K_3: $A(K_3) = \begin{matrix} \\ 1 \\ 2 \\ 3 \end{matrix} \begin{matrix} \begin{matrix} 1 & 2 & 3 \end{matrix} \\ \begin{bmatrix} 0 & 1 & 1 \\ 1 & 0 & 1 \\ 1 & 1 & 0 \end{bmatrix} \end{matrix}$



K_4: $A(K_4) = \begin{bmatrix} 0 & 1 & 1 & 1 \\ 1 & 0 & 1 & 1 \\ 1 & 1 & 0 & 1 \\ 1 & 1 & 1 & 0 \end{bmatrix}$

Broj četnji dužine n za svaka dva čvora dobija se iz matrica $A(K_3)^n$ i $A(K_4)^n$

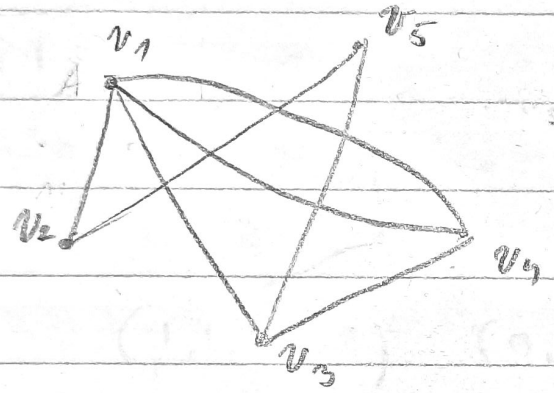
2.



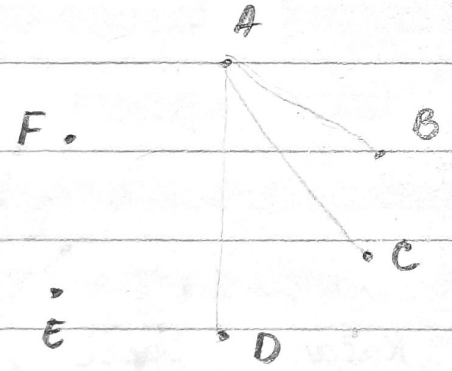
$(4,1,1,1,1)$ $(2,2,2,1,1)$ $(3,2,1,1,1)$

(ovo su prosti, postoje još i oni koji nisu)

3.



4.



A poznaje B, C i D

Ako se B i D
ili B i C
ili C i D
poznaju, tvrdnja je
dokazana.

Ako ne važi nijedna od
gore navedenih tvrdnji,
opet je tvrdnja dokazana
jer se B, C i D ne poznaju

5. nema slike