Centers and medians. Variant 1.

- 1. Find for a graph with the following incidence matrix where C(e) is the weight of an edge e:
- a center;
- a general center;
- an absolute center;
- a median;
- a general median;
- an absolute general median.

	α	β	γ	δ	ε	λ
a		1	-1	1		
b	1	1			-1	-1
с				-1	1	
d	1		1			1
C(e)	4	1	6	7	3	2

- 2. Find an absolute p-center of the minimal MSV distance with the cardinal number 3.
- 3. Find a p-median of the minimal cardinal number with $\Delta = 0.6 \text{TVV}(j)$, where j is a median vertex.

Centers and medians. Variant 2.

1. Find for a graph with the following incidence matrix where C(e) – is the weight of an edge e:

- a center;
- a general center;
- an absolute center;
- a median;
- a general median;
- an absolute general median.

	α	β	γ	δ	ε	λ
a		1	1	-1		
b	1	1			-1	-1
c				1	1	
d	1		-1			1
C(e)	7	1	3	2	4	5

2. Find an absolute p-center of the minimal MSV distance with the cardinal number 3.

3. Find a p-median of the minimal cardinal number with $\Delta = 0.6 \text{TVV}(j)$, where j is a median vertex.

Centers and medians. Variant 3.

- 1. Find for a graph with the following incidence matrix where C(e) is the weight of an edge e:
- a center;
- a general center;
- an absolute center;
- a median;
- a general median;
- an absolute general median.

	α	β	γ	δ	ε	λ
a		1	-1	1		
b	1	1			-1	1
с				-1	1	
d	1		1			-1
C(e)	4	3	4	1	6	7

- 2. Find an absolute p-center of the minimal MSV distance with the cardinal number 3.
- 3. Find a p-median of the minimal cardinal number with $\Delta = 0.6 \text{TVV}(j)$, where j is a median vertex.

Centers and medians. Variant 4.

1. Find for a graph with the following incidence matrix where C(e) – is the weight of an edge e:

- a center;
- a general center;
- an absolute center;
- a median;
- a general median;
- an absolute general median.

	α	β	γ	δ	ε	λ
a	1	1	-1	1		
b	1				-1	-1
c				-1	1	
d		1	1			1
C(e)	3	5	1	8	3	4

2. Find an absolute p-center of the minimal MSV distance with the cardinal number 3.

3. Find a p-median of the minimal cardinal number with $\Delta = 0.6 \text{TVV}(j)$, where j is a median vertex.