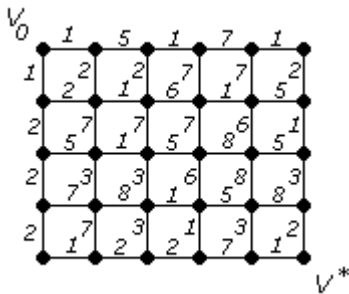


ІНДИВІДУАЛЬНІ ЗАВДАННЯ

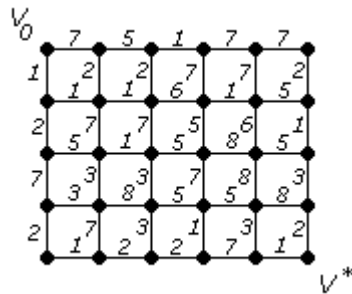
Завдання № 1. Розв'язати на графах наступні 2 задачі:

1. За допомогою алгоритму Дейкстри знайти найкоротший шлях у графі поміж парою вершин V_0 і V^* .

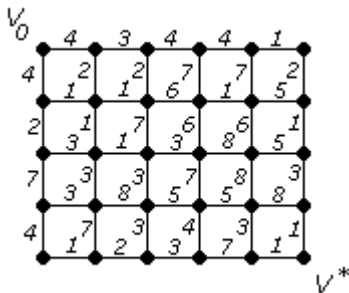
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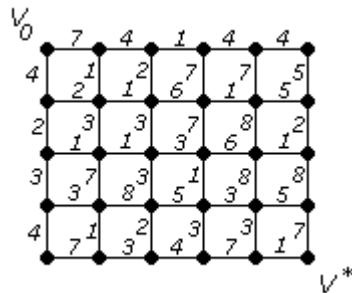
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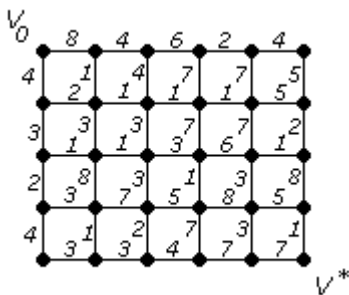
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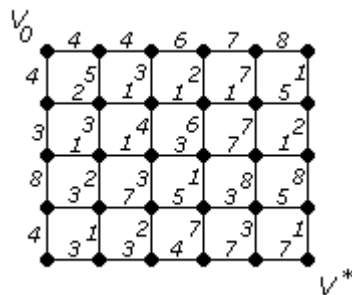
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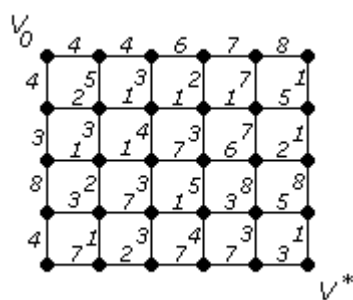
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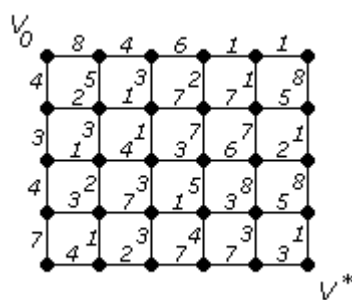
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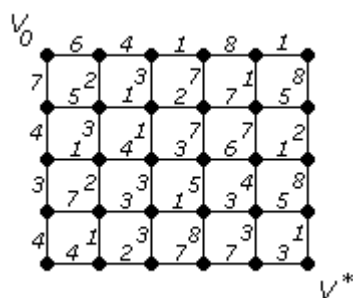
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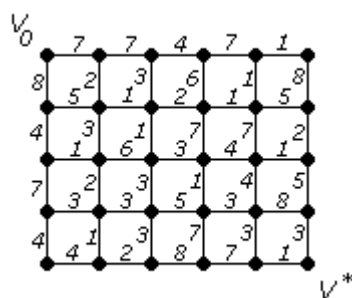
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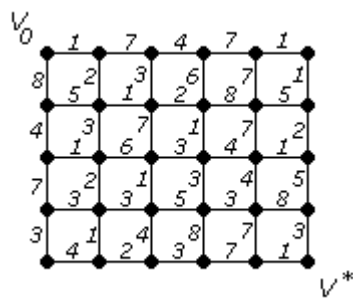
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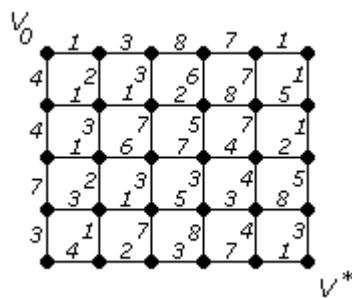
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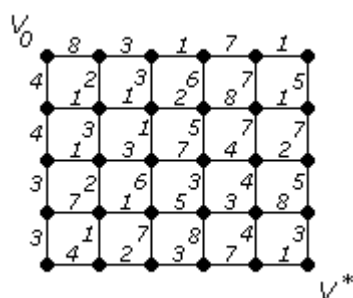
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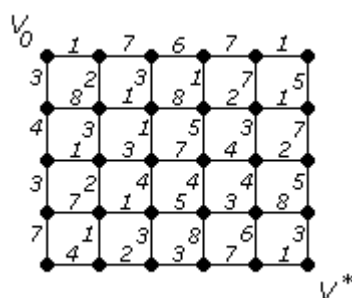
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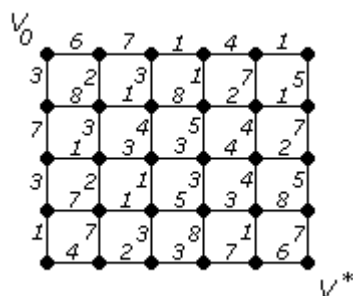
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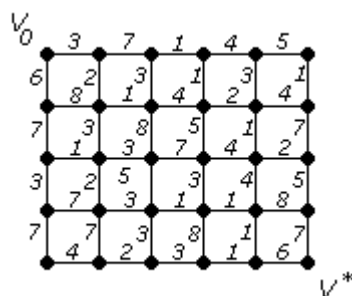
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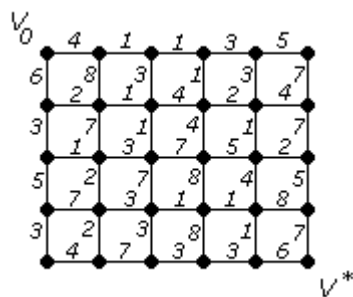
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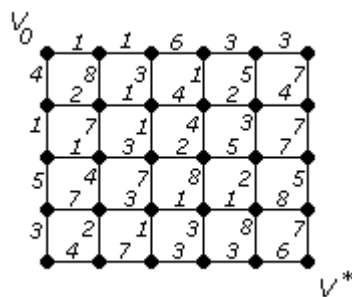
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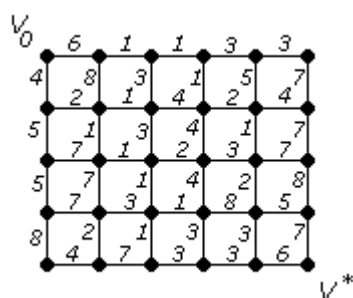
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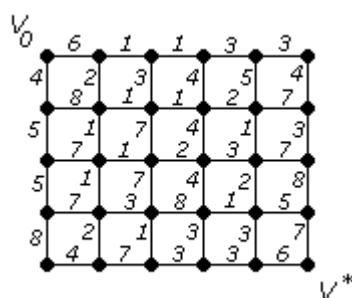
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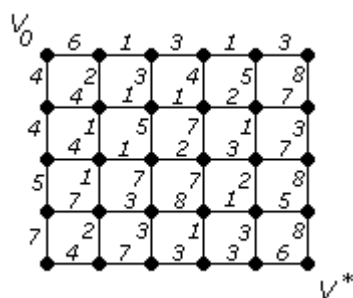
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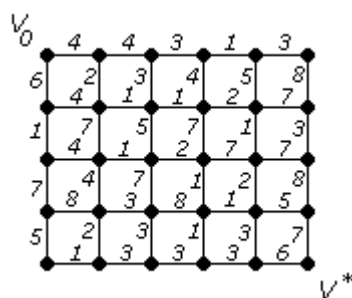
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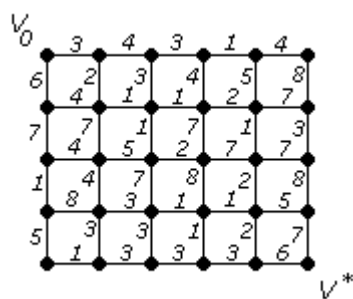
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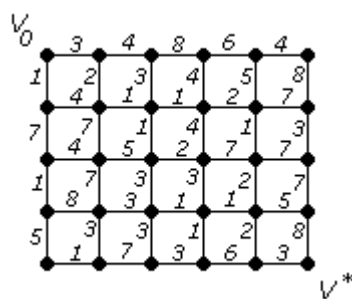
22



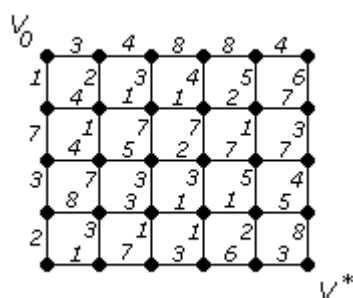
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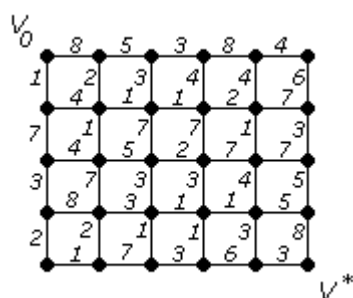
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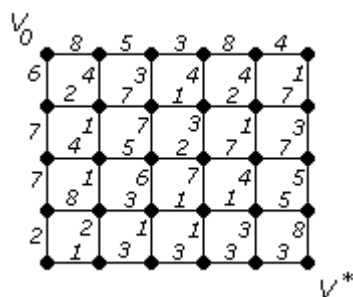
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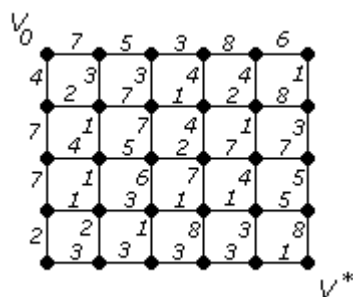
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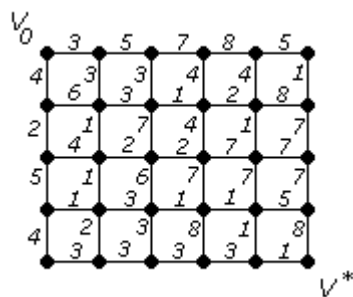
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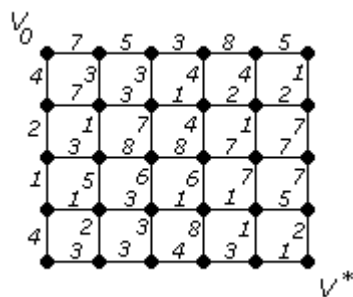
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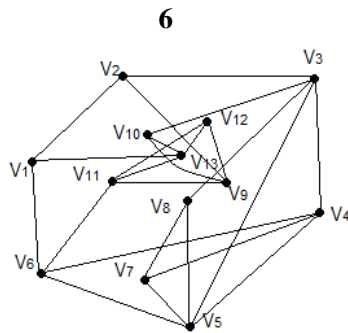
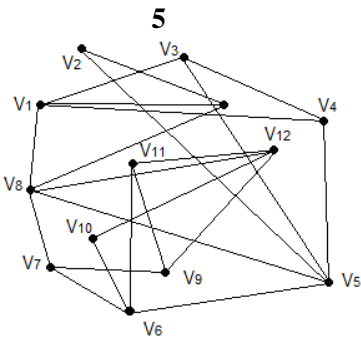
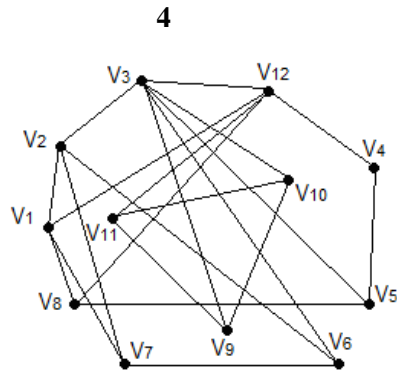
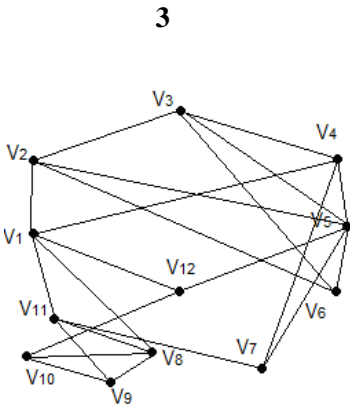
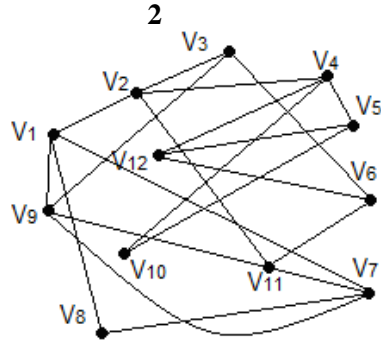
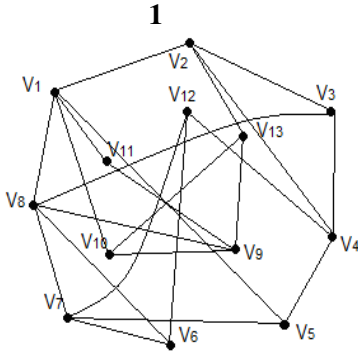
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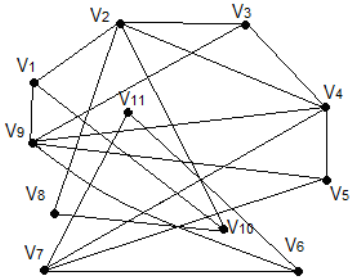
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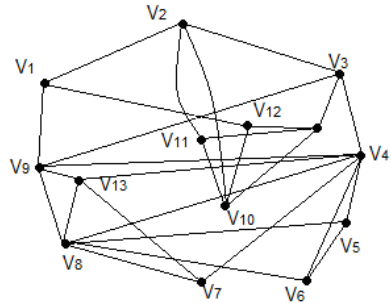
2. За допомогою γ -алгоритма зробити укладку графа у площині, або довести що вона неможлива.



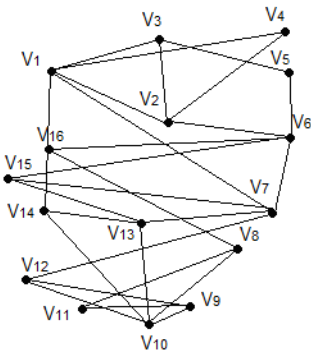
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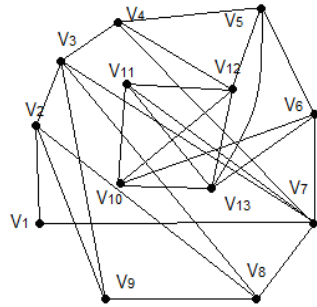
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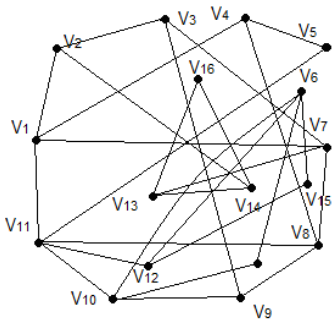
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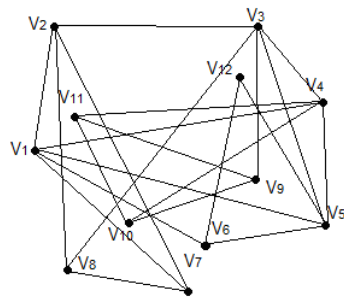
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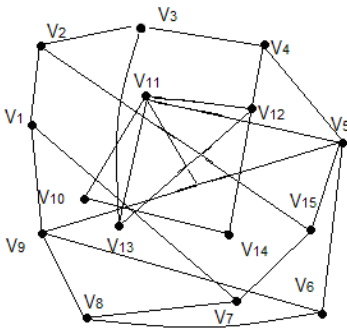
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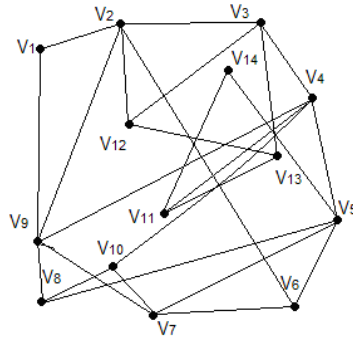
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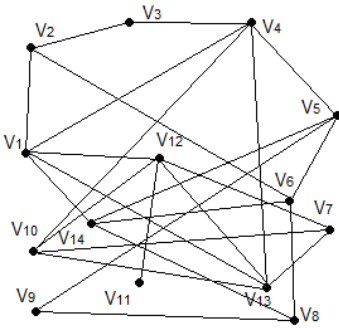
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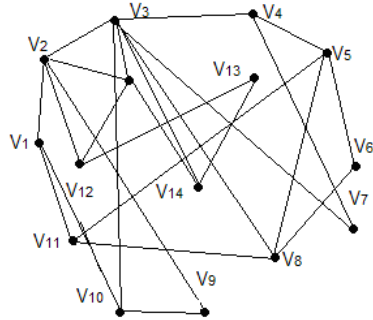
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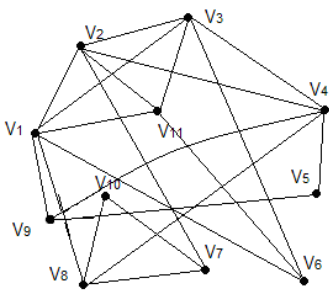
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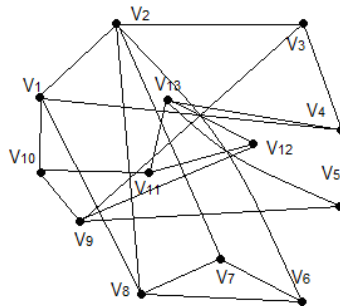
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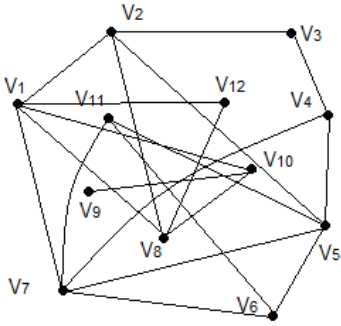
17



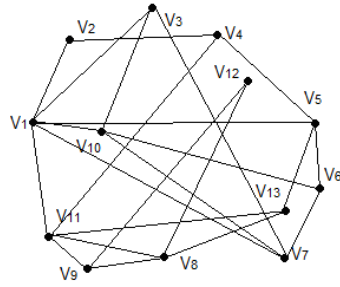
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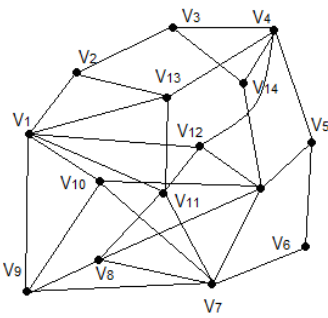
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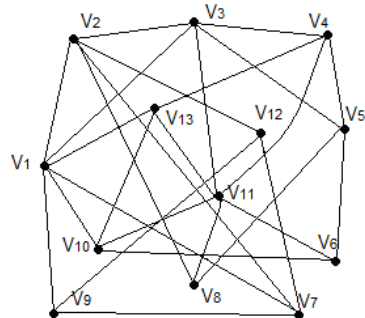
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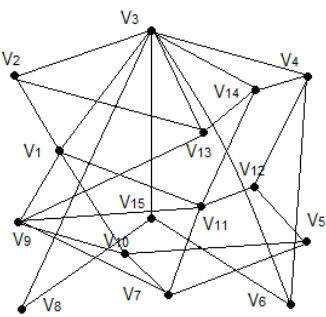
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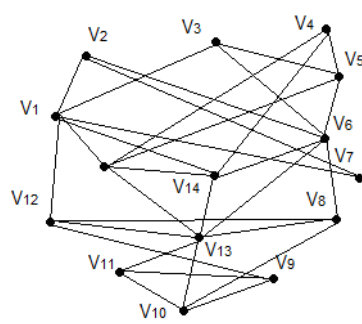
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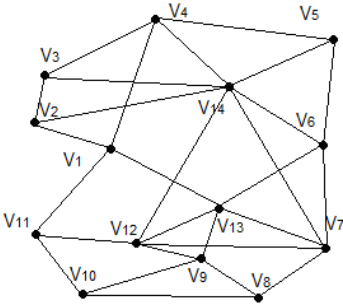
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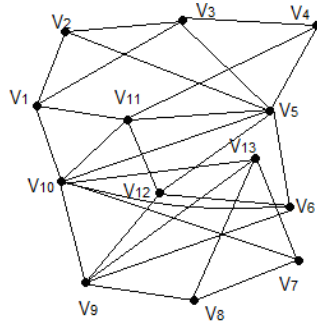
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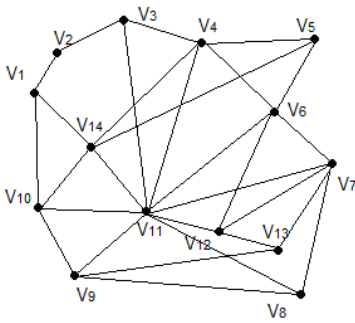
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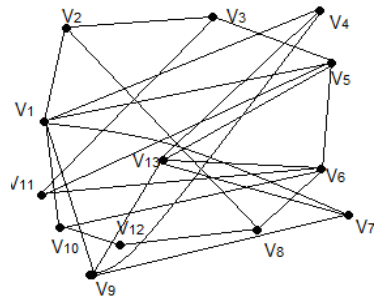
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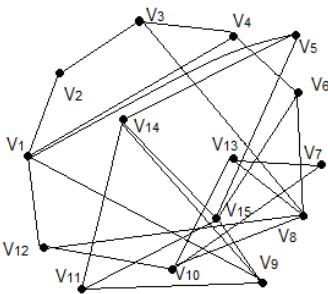
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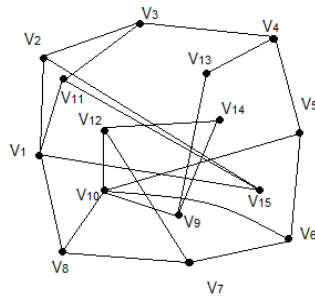
28



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Завдання №2. Написати програму, яка реалізує алгоритм Дейкстра знаходження найкоротшого шляху між парою вершин в графі. Протестувати за розробленою програмою задачу 1 із завдання № 1.