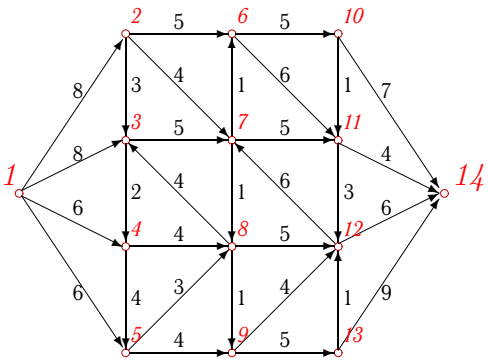
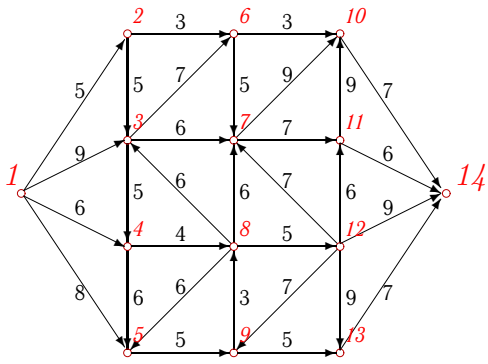
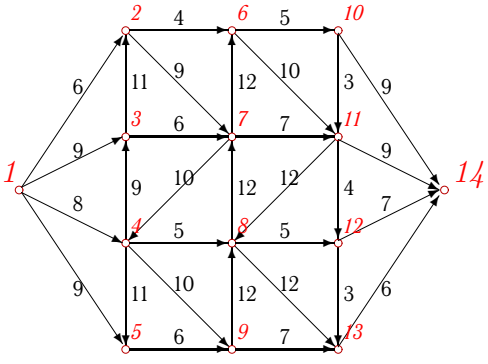
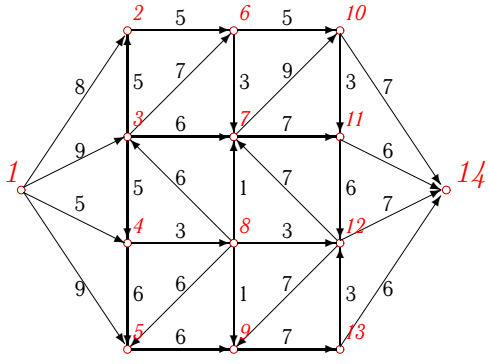
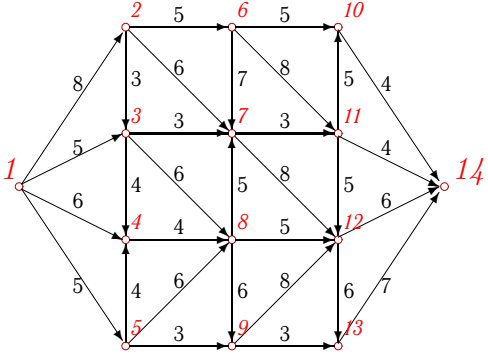
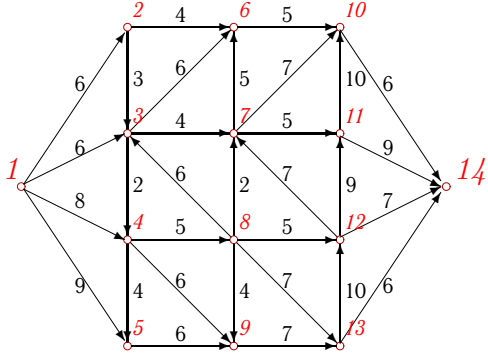


# Сеть

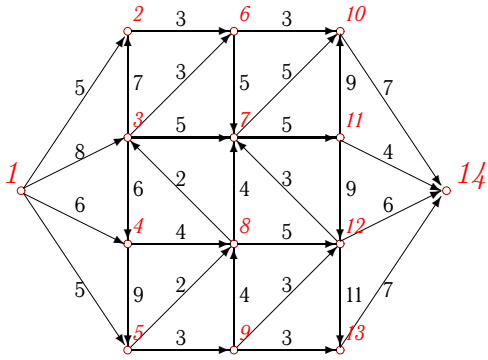
Задана пропускная способность дуг транспортной сети с началом в вершине 1 и концом в вершине 14. Используя алгоритм Форда-Фалкерсона, найти максимальный поток по сети.

В таблице ответов дан максимальный поток ( $\Sigma$ ), пропускная способность сети на входе ( $\Sigma_{in}$ ) и выходе ( $\Sigma_{out}$ ).

Рекомендуемая литература: **Иванов Б.Н.** Дискретная математика М.:ЛБЗ, 2002.

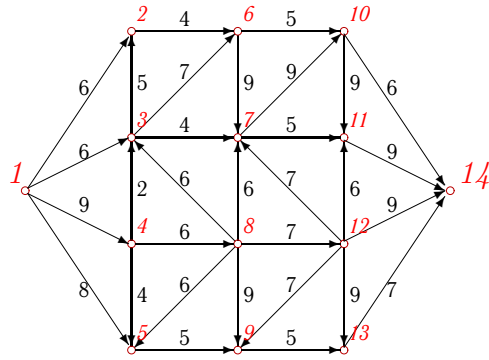
<p><b>Задача 9.1</b></p>  <p style="text-align: center; font-size: small;">9.3</p>	<p><b>Задача 9.2</b></p>  <p style="text-align: center; font-size: small;">9.3</p>
<p><b>Задача 9.3</b></p>  <p style="text-align: center; font-size: small;">9.3</p>	<p><b>Задача 9.4</b></p>  <p style="text-align: center; font-size: small;">9.3</p>
<p><b>Задача 9.5</b></p>  <p style="text-align: center; font-size: small;">9.3</p>	<p><b>Задача 9.6</b></p>  <p style="text-align: center; font-size: small;">9.3</p>

Задача 9.7



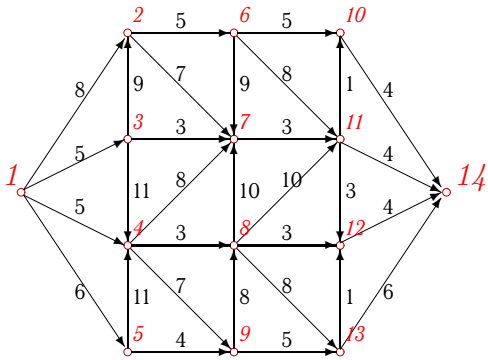
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Задача 9.8



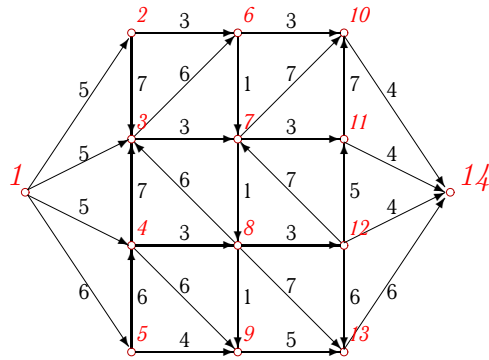
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Задача 9.9



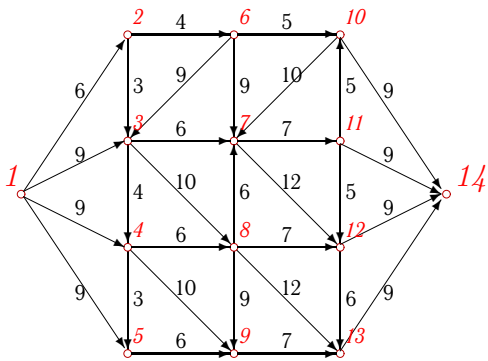
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Задача 9.10



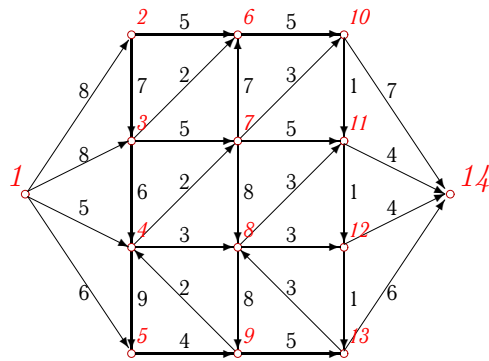
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Задача 9.11



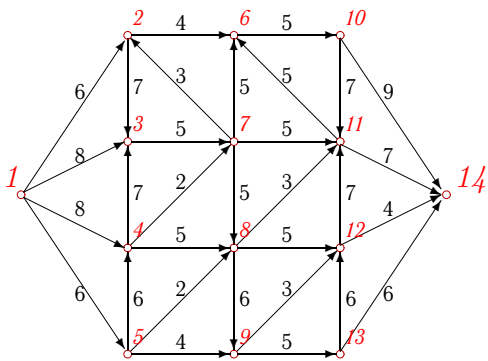
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Задача 9.12



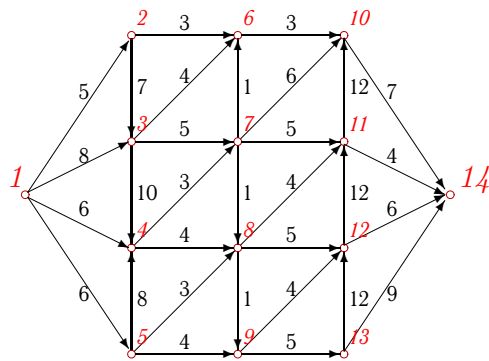
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Задача 9.13



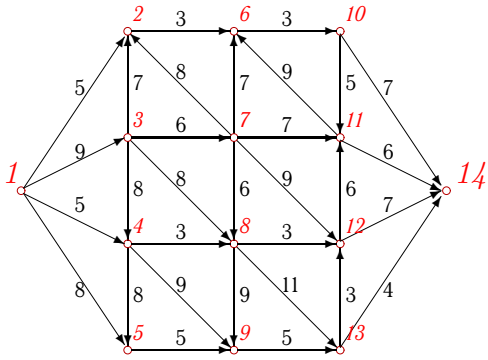
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Задача 9.14



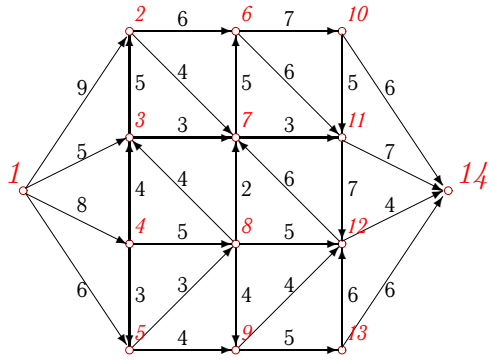
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Задача 9.15



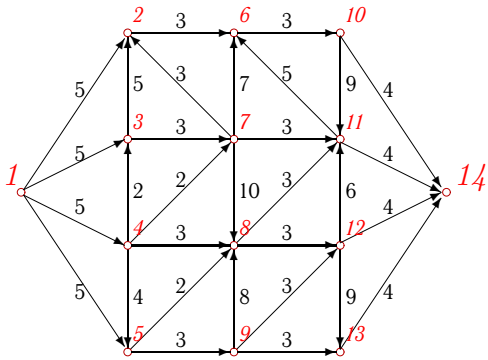
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Задача 9.16



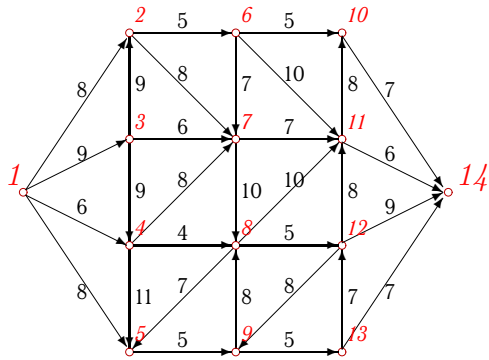
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Задача 9.17



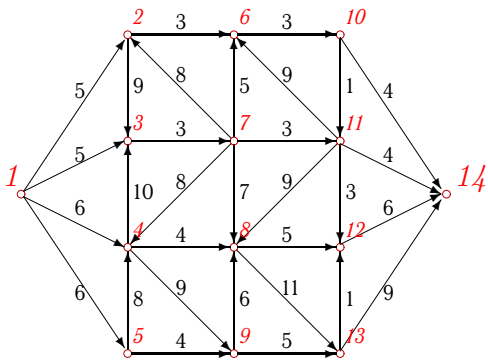
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Задача 9.18



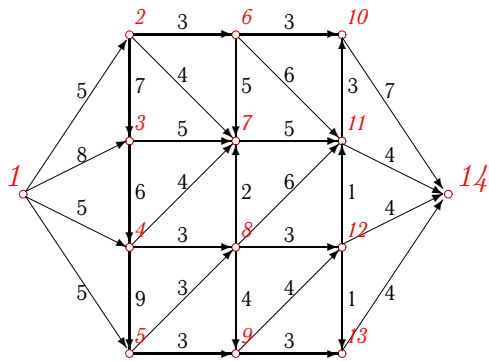
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Задача 9.19



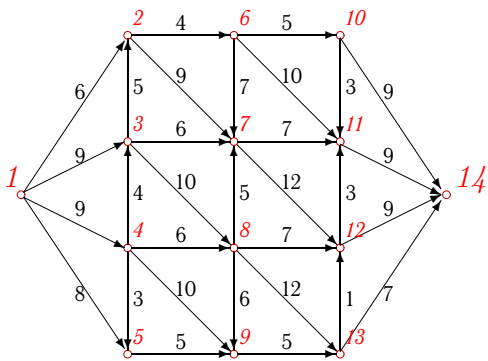
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Задача 9.20



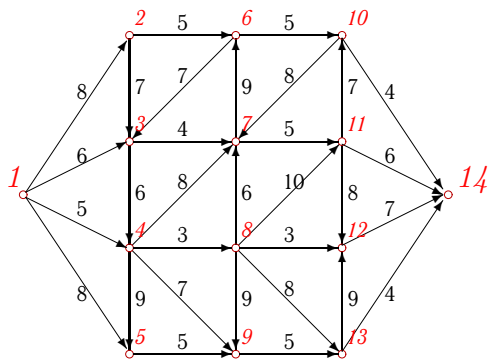
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Задача 9.21



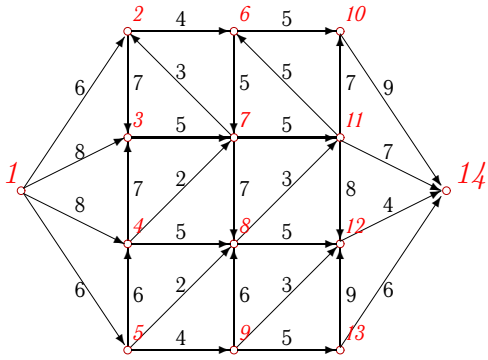
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Задача 9.22



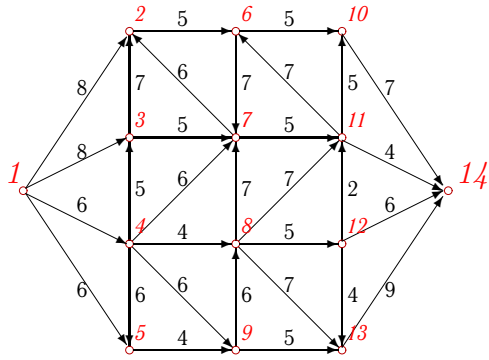
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Задача 9.23



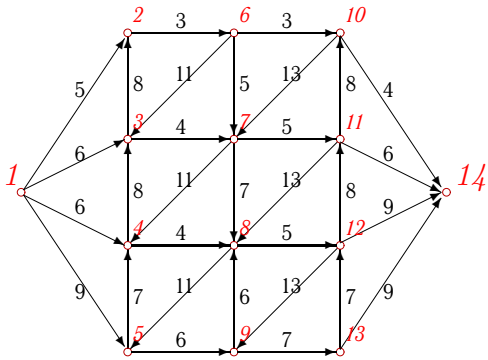
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Задача 9.24



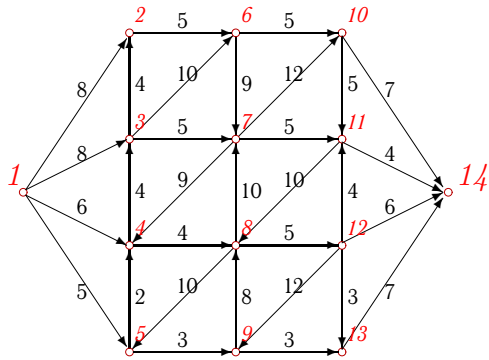
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Задача 9.25



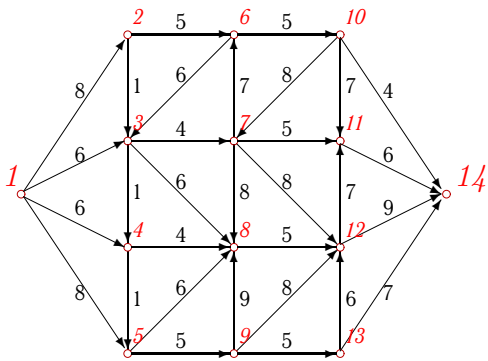
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Задача 9.26



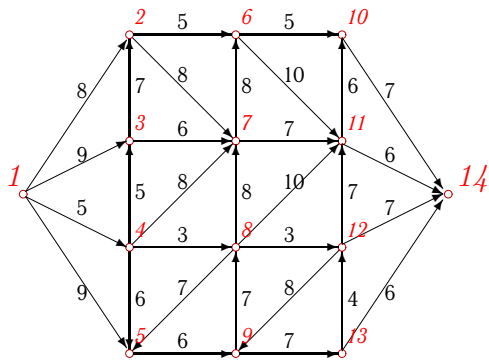
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Задача 9.27



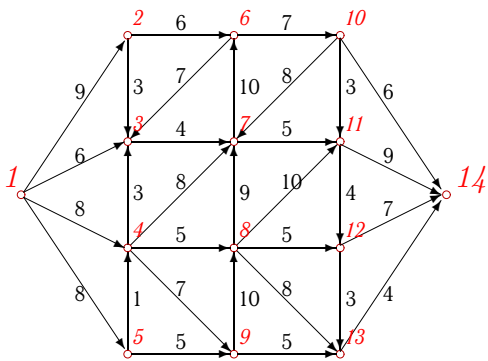
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Задача 9.28



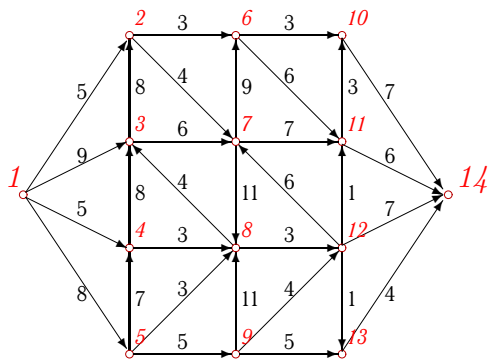
9.3

Задача 9.29



9.3

Задача 9.30



9.3

**Сеть**

№	Σ	Σ <sub>in</sub>	Σ <sub>out</sub>	вершина/вершина — пропускная способность/поток
1	20	28	26	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
2	20	28	29	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
3	27	32	31	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
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6	21	29	28	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
7	20	24	24	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
8	23	29	31	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
9	18	24	18	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
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11	28	33	36	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
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18	23	31	29	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
19	18	22	23	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
20	17	23	19	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

