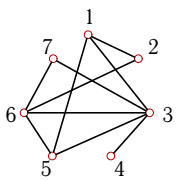
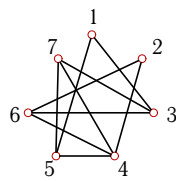
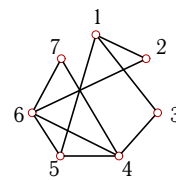
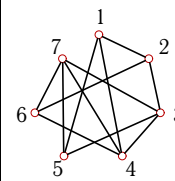
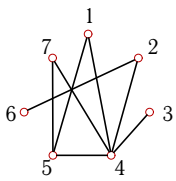
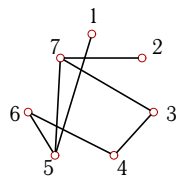
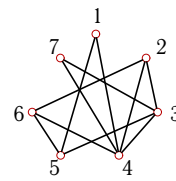
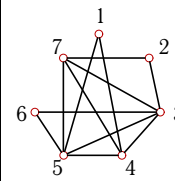
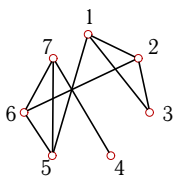
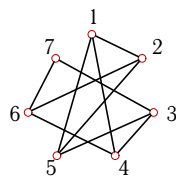
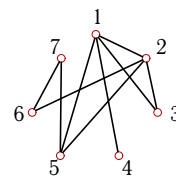
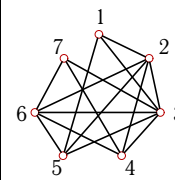
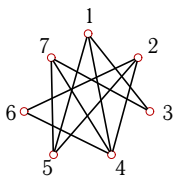
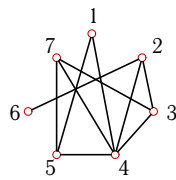
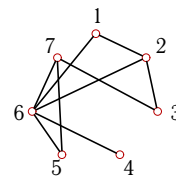
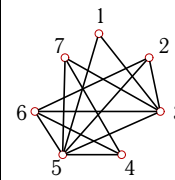
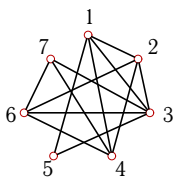
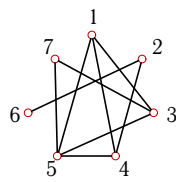
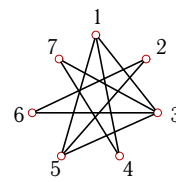
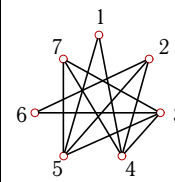
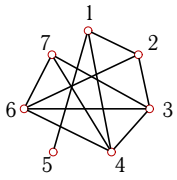


# Радиус и диаметр графа

Найти число циклических маршрутов длины 3 ( $n_3$ ), радиус  $r$  и диаметр  $d$  графа.  
 Указать центр. Найти число остовов графа.

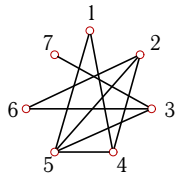
<p><b>Задача 5.1</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.2</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.3</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.4</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>
<p><b>Задача 5.5</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.6</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.7</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.8</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>
<p><b>Задача 5.9</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.10</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.11</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.12</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>
<p><b>Задача 5.13</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.14</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.15</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.16</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>
<p><b>Задача 5.17</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.18</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.19</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>	<p><b>Задача 5.20</b></p>  <p style="font-size: small; margin-top: 10px;">5.5</p>

**Задача 5.21**



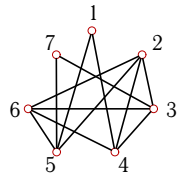
5.5

**Задача 5.22**



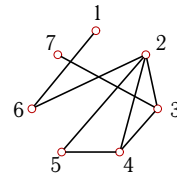
5.5

**Задача 5.23**



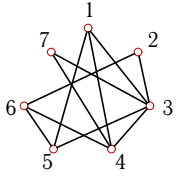
5.5

**Задача 5.24**



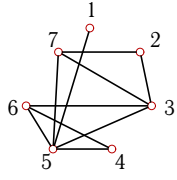
5.5

**Задача 5.25**



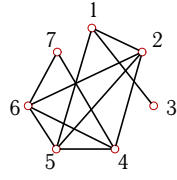
5.5

**Задача 5.26**



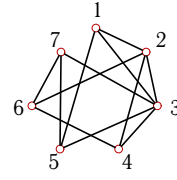
5.5

**Задача 5.27**



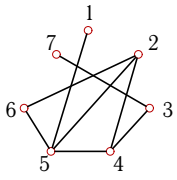
5.5

**Задача 5.28**



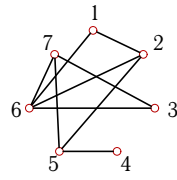
5.5

**Задача 5.29**



5.5

**Задача 5.30**



5.5

## Радиус и диаметр графа

	$n_3$	$r$	$d$	Центр	$n_*$
1	18	2	3	1, 3, 5, 6, 7	61
2	12	2	3	3, 4, 5, 6, 7	94
3	12	2	3	2, 3, 4, 5, 6	90
4	18	2	2	1, 2, 3, 4, 5, 6, 7	400
5	12	2	3	2, 4	8
6	0	2	3	5, 7	5
7	18	2	2	1, 2, 3, 4, 5, 6, 7	172
8	42	2	3	3, 4, 5, 6, 7	245
9	12	2	4	5, 6	30
10	6	2	3	2, 3, 4, 5, 6	110
11	12	2	3	1, 2, 5	29
12	78	1	2	3	1488
13	6	2	3	1, 4, 5, 7	96
14	24	2	3	2, 3, 4	55
15	12	2	3	1, 2, 5, 6, 7	30
16	48	1	2	5	497
17	42	2	2	1, 2, 3, 4, 5, 6, 7	558
18	18	2	4	4	21
19	6	2	3	1, 3, 5	40
20	12	2	3	2, 3, 4, 5, 7	184
21	30	2	3	1, 2, 4	115
22	12	2	3	3, 5	29
23	30	2	2	1, 2, 3, 4, 5, 6, 7	315
24	12	2	4	2	8
25	18	2	2	1, 2, 3, 4, 5, 6, 7	172
26	24	2	3	3, 5, 6, 7	55
27	36	2	4	2, 5	100
28	30	2	2	1, 2, 3, 4, 5, 6, 7	353
29	12	2	4	4	8
30	12	2	3	2, 5, 7	30