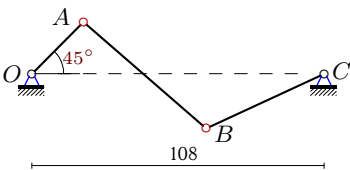
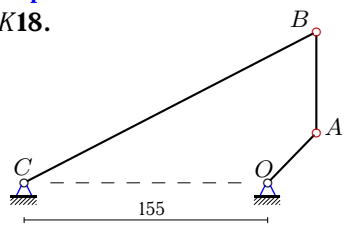
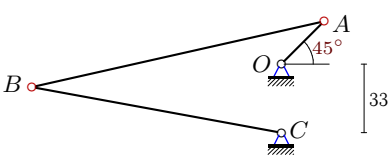
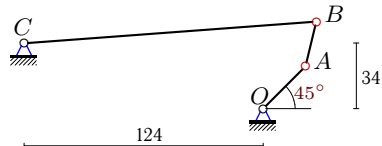
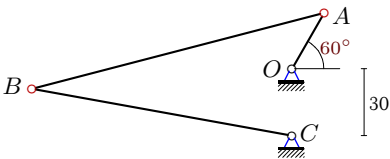
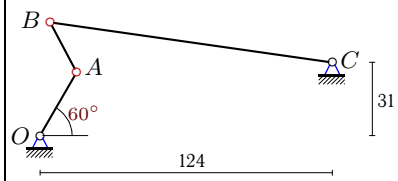
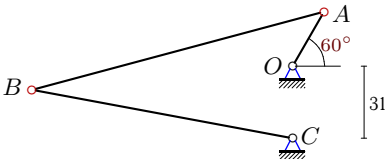
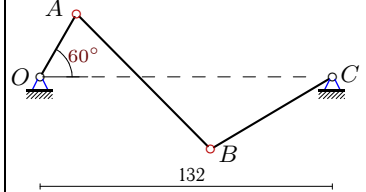


Уравнение трех угловых скоростей

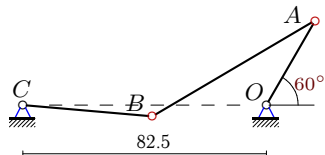
Подобрать длины звеньев (в см) шарнирного четырехзвенника так, чтобы в некоторый момент движения угловые скорости его звеньев были равны заданным. Положение опорных шарниров четырехзвенника известно. Расстояния даны в см, угловые скорости — в рад/с.

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<p>Вариант 1 К18.</p>  <p>$\omega_{OA}=1, \omega_{AB}=0.2, \omega_{BC}=-0.6,$ $OA=27.$</p>	<p>Вариант 2 К18.</p>  <p>$\omega_{OA}=18, \omega_{AB}=-5, \omega_{BC}=3,$ $AB \perp OC, AB=64.$</p>
<p>Вариант 3 К18.</p>  <p>$\omega_{OA}=2, \omega_{AB}=0.8, \omega_{BC}=0.7,$ $OA=29.$</p>	<p>Вариант 4 К18.</p>  <p>$\omega_{OA}=3, \omega_{AB}=-3, \omega_{BC}=0.3,$ $OA=31.$</p>
<p>Вариант 5 К18.</p>  <p>$\omega_{OA}=5, \omega_{AB}=4, \omega_{BC}=2,$ $OA=29.$</p>	<p>Вариант 6 К18.</p>  <p>$\omega_{OA}=-11, \omega_{AB}=17, \omega_{BC}=3,$ $OA=31.$</p>
<p>Вариант 7 К18.</p>  <p>$\omega_{OA}=3, \omega_{AB}=1.2, \omega_{BC}=1,$ $OA=27.$</p>	<p>Вариант 8 К18.</p>  <p>$\omega_{OA}=-8, \omega_{AB}=-1.5, \omega_{BC}=4,$ $OA=33.$</p>

Вариант 9

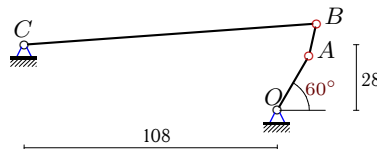
K18.



$$\omega_{OA} = -6, \omega_{AB} = -5, \omega_{BC} = 4, \\ OA = 33.$$

Вариант 10

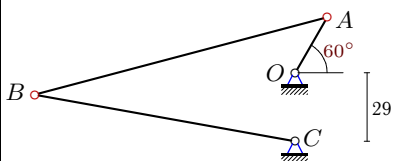
K18.



$$\omega_{OA} = 15, \omega_{AB} = -25, \omega_{BC} = 1, \\ OA = 27.$$

Вариант 11

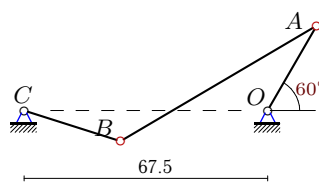
K18.



$$\omega_{OA} = 2, \omega_{AB} = 1.2, \omega_{BC} = 1, \\ OA = 27.$$

Вариант 12

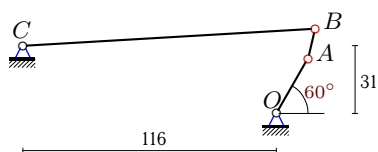
K18.



$$\omega_{OA} = -1.6, \omega_{AB} = -0.9, \omega_{BC} = 1, \\ OA = 27.$$

Вариант 13

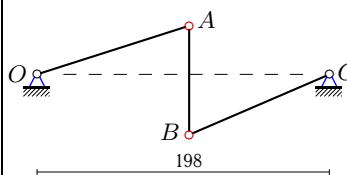
K18.



$$\omega_{OA} = 31, \omega_{AB} = -56, \omega_{BC} = 2, \\ OA = 29.$$

Вариант 14

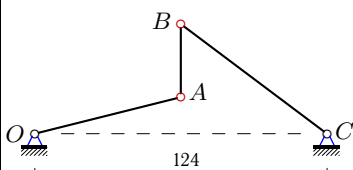
K18.



$$\omega_{OA} = -4, \omega_{AB} = 0.6, \omega_{BC} = 4, \\ AB \perp OC, AB = 74.$$

Вариант 15

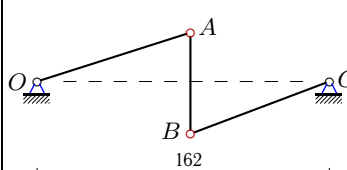
K18.



$$\omega_{OA} = 3, \omega_{AB} = -6, \omega_{BC} = -3, \\ AB \perp OC, AB = 31.$$

Вариант 16

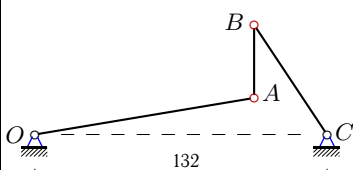
K18.



$$\omega_{OA} = -0.9, \omega_{AB} = 0.1, \omega_{BC} = 1, \\ AB \perp OC, AB = 56.$$

Вариант 17

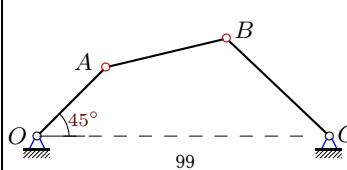
K18.



$$\omega_{OA} = -1.3, \omega_{AB} = 7, \omega_{BC} = 4, \\ AB \perp OC, AB = 33.$$

Вариант 18

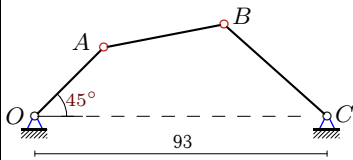
K18.



$$\omega_{OA} = 4, \omega_{AB} = -4, \omega_{BC} = 1.7, \\ OA = 33.$$

Вариант 19

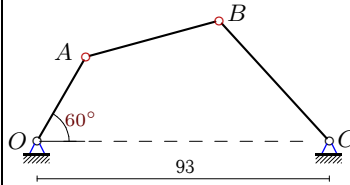
K18.



$$\omega_{OA}=3, \omega_{AB}=-3, \omega_{BC}=1.5, \\ OA=31.$$

Вариант 20

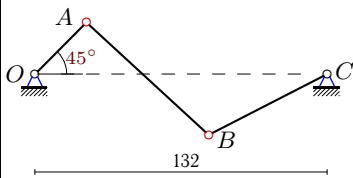
K18.



$$\omega_{OA}=6, \omega_{AB}=-5, \omega_{BC}=3, \\ OA=31.$$

Вариант 21

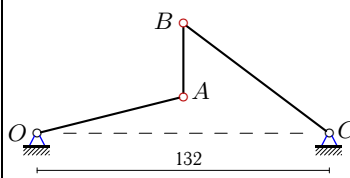
K18.



$$\omega_{OA}=4, \omega_{AB}=0.6, \omega_{BC}=-2, \\ OA=33.$$

Вариант 22

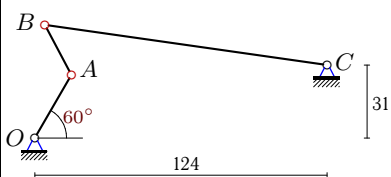
K18.



$$\omega_{OA}=4, \omega_{AB}=-8, \omega_{BC}=-4, \\ AB \perp OC, AB=33.$$

Вариант 23

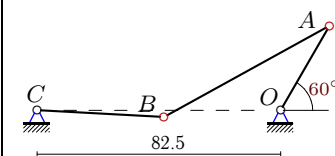
K18.



$$\omega_{OA}=-11, \omega_{AB}=17, \omega_{BC}=3, \\ OA=31.$$

Вариант 24

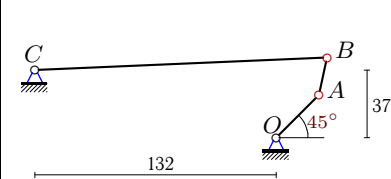
K18.



$$\omega_{OA}=-5, \omega_{AB}=-5, \omega_{BC}=4, \\ OA=33.$$

Вариант 25

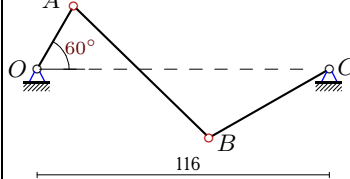
K18.



$$\omega_{OA}=4, \omega_{AB}=-4, \omega_{BC}=0.5, \\ OA=33.$$

Вариант 26

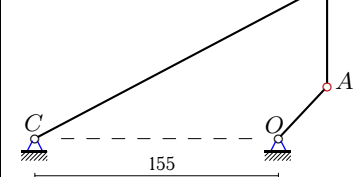
K18.



$$\omega_{OA}=-4, \omega_{AB}=-0.8, \omega_{BC}=2, \\ OA=29.$$

Вариант 27

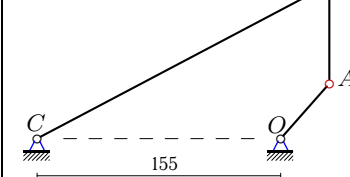
K18.



$$\omega_{OA}=3, \omega_{AB}=-0.8, \omega_{BC}=0.5, \\ AB \perp OC, AB=65.$$

Вариант 28

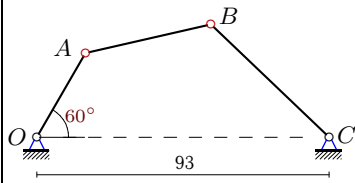
K18.



$$\omega_{OA}=18, \omega_{AB}=-5, \omega_{BC}=3, \\ AB \perp OC, AB=63.$$

Вариант 29

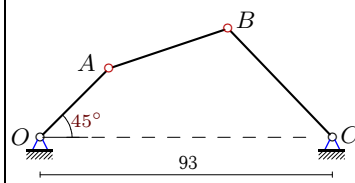
K18.



$\omega_{OA}=6, \omega_{AB}=-5, \omega_{BC}=3,$
 $OA = 31.$

Вариант 30

K18.



$\omega_{OA}=3, \omega_{AB}=-3, \omega_{BC}=1,$
 $OA = 31.$

Ответы

	<i>OA</i>	<i>AB</i>	<i>BC</i>
1	27.000	57.369	49.889
2	46.109	64.000	210.300
3	29.000	268.943	246.725
4	31.000	22.056	152.844
5	29.000	23.063	47.993
6	31.000	23.039	120.644
7	27.000	156.329	123.935
8	33.000	86.533	64.969
9	33.000	63.509	44.114
10	27.000	14.018	124.944
11	27.000	73.110	96.909
12	27.000	62.768	28.341
13	29.000	14.009	133.974
14	103.875	74.000	107.757
15	63.908	31.000	77.500
16	89.294	56.000	82.202
17	101.359	33.000	60.984
18	33.000	40.064	49.206
19	31.000	38.997	43.912
20	31.000	41.915	52.133
21	33.000	71.931	68.185
22	68.031	33.000	82.500
23	31.000	23.039	120.644
24	33.000	60.361	45.833
25	33.000	22.531	159.049
26	29.000	74.686	57.405
27	45.863	65.000	210.612
28	45.716	63.000	209.589
29	31.000	41.915	52.133
30	31.000	35.923	49.401