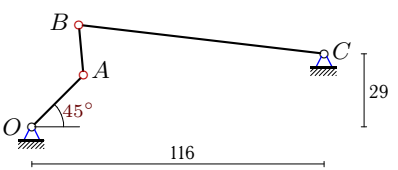
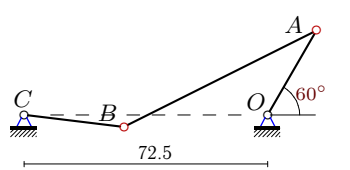
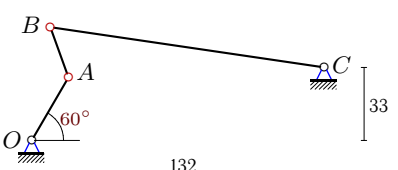
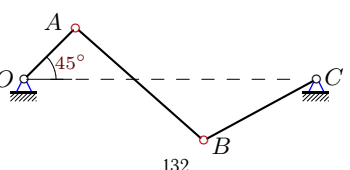
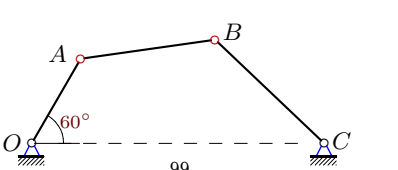
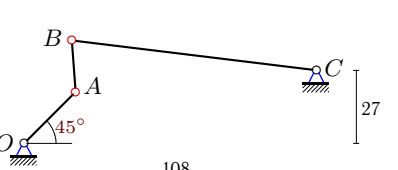
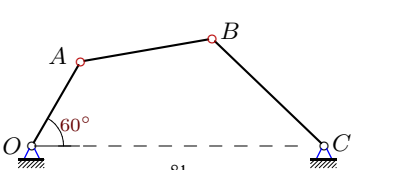
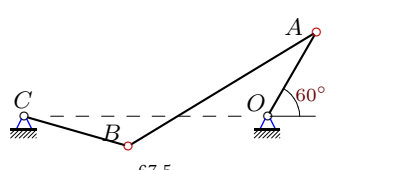


Уравнение трех угловых скоростей

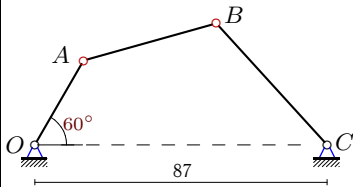
Подобрать длины звеньев (в см) шарнирного четырехзвенника так, чтобы в некоторый момент движения угловые скорости его звеньев были равны заданным. Положение опорных шарниров четырехзвенника известно. Расстояния даны в см, угловые скорости — в рад/с.

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<p>Вариант 1 К18.</p>  <p>$\omega_{OA}=2, \omega_{AB}=-2, \omega_{BC}=-0.5,$ $OA=29.$</p>	<p>Вариант 2 К18.</p>  <p>$\omega_{OA}=-2, \omega_{AB}=-1.6, \omega_{BC}=2,$ $OA=29.$</p>
<p>Вариант 3 К18.</p>  <p>$\omega_{OA}=-17, \omega_{AB}=25, \omega_{BC}=4,$ $OA=33.$</p>	<p>Вариант 4 К18.</p>  <p>$\omega_{OA}=4, \omega_{AB}=0.5, \omega_{BC}=-2,$ $OA=33.$</p>
<p>Вариант 5 К18.</p>  <p>$\omega_{OA}=6, \omega_{AB}=-5, \omega_{BC}=4,$ $OA=33.$</p>	<p>Вариант 6 К18.</p>  <p>$\omega_{OA}=1, \omega_{AB}=-1.1, \omega_{BC}=-0.2,$ $OA=27.$</p>
<p>Вариант 7 К18.</p>  <p>$\omega_{OA}=1.7, \omega_{AB}=-1.5, \omega_{BC}=1,$ $OA=27.$</p>	<p>Вариант 8 К18.</p>  <p>$\omega_{OA}=-1.7, \omega_{AB}=-1, \omega_{BC}=1,$ $OA=27.$</p>

Вариант 9

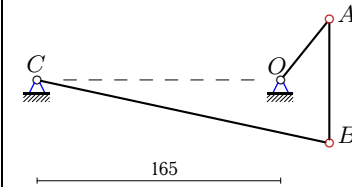
K18.



$$\omega_{OA}=4, \omega_{AB}=-3, \omega_{BC}=2, \\ OA=29.$$

Вариант 10

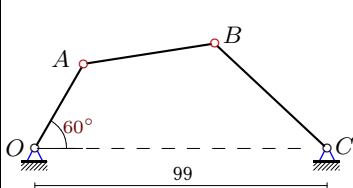
K18.



$$\omega_{OA}=24, \omega_{AB}=14, \omega_{BC}=4, \\ AB \perp OC, AB=84.$$

Вариант 11

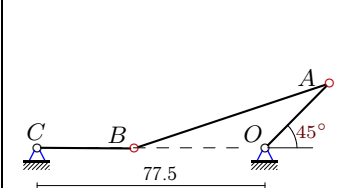
K18.



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

Вариант 12

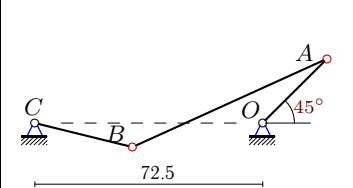
K18.



$$\omega_{OA}=3, \omega_{AB}=3, \omega_{BC}=-4, \\ OA=31.$$

Вариант 13

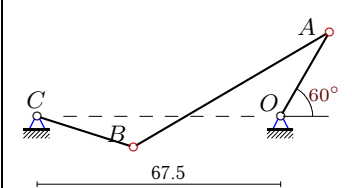
K18.



$$\omega_{OA}=2, \omega_{AB}=1.2, \omega_{BC}=-1, \\ OA=29.$$

Вариант 14

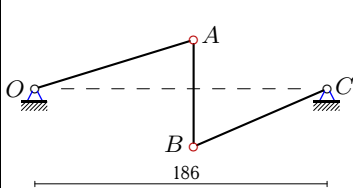
K18.



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

Вариант 15

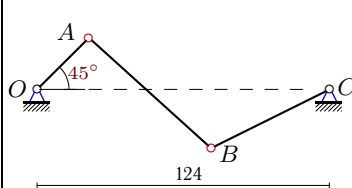
K18.



$$\omega_{OA}=-3, \omega_{AB}=0.5, \omega_{BC}=3, \\ AB \perp OC, AB=68.$$

Вариант 16

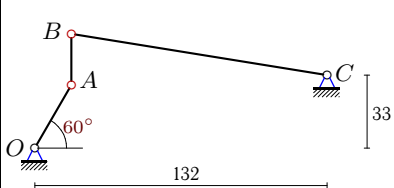
K18.



$$\omega_{OA}=3, \omega_{AB}=0.5, \omega_{BC}=-1.8, \\ OA=31.$$

Вариант 17

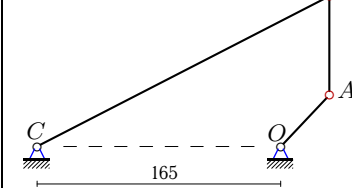
K18.



$$\omega_{OA}=-28, \omega_{AB}=38, \omega_{BC}=4, \\ OA=33.$$

Вариант 18

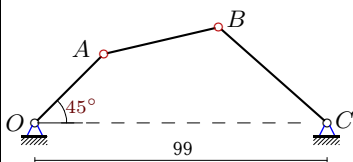
K18.



$$\omega_{OA}=4, \omega_{AB}=-1.1, \omega_{BC}=0.7, \\ AB \perp OC, AB=67.$$

Вариант 19

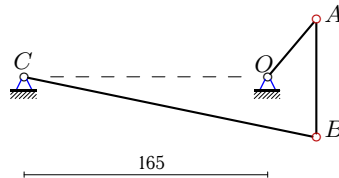
K18.



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

Вариант 20

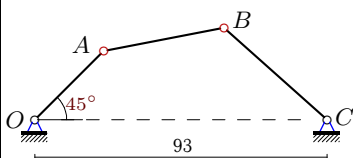
K18.



$$\omega_{OA}=4, \omega_{AB}=2, \omega_{BC}=0.7, \\ AB \perp OC, AB=80.$$

Вариант 21

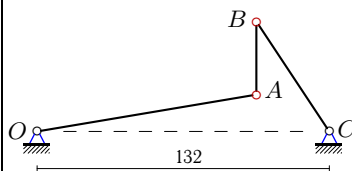
K18.



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

Вариант 22

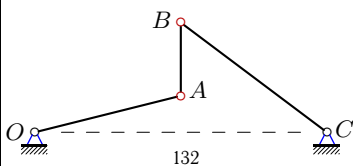
K18.



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

Вариант 23

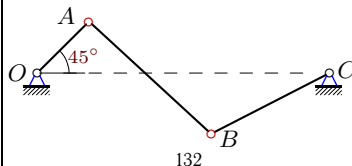
K18.



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

Вариант 24

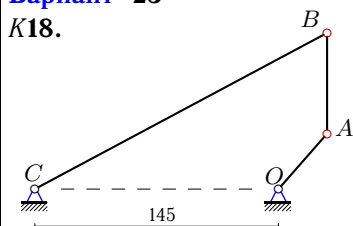
K18.



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

Вариант 25

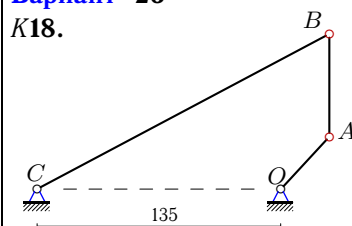
K18.



$$\omega_{OA}=12, \omega_{AB}=-4, \omega_{BC}=2, \\ AB \perp OC, AB=60.$$

Вариант 26

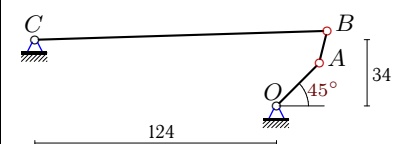
K18.



$$\omega_{OA}=6, \omega_{AB}=-1.5, \omega_{BC}=1, \\ AB \perp OC, AB=57.$$

Вариант 27

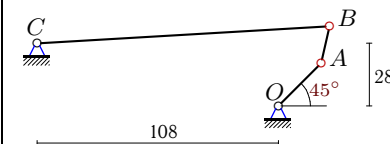
K18.



$$\omega_{OA}=3, \omega_{AB}=-4, \omega_{BC}=0.3, \\ OA=31.$$

Вариант 28

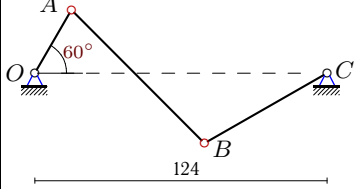
K18.



$$\omega_{OA}=1, \omega_{AB}=-1.1, \omega_{BC}=0.1, \\ OA=27.$$

Вариант 29

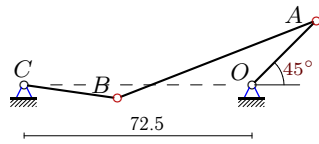
K18.



$\omega_{OA} = -6$, $\omega_{AB} = -1.2$, $\omega_{BC} = 3$,
 $OA = 31$.

Вариант 30

K18.



$\omega_{CA} = 2$, $\omega_{AB} = 1.4$, $\omega_{BO} = -1.6$,
 $CA = 29$.

Ответы

	<i>OA</i>	<i>AB</i>	<i>BC</i>
1	29.000	24.918	101.258
2	29.000	62.916	30.738
3	33.000	23.910	125.423
4	33.000	74.808	67.500
5	33.000	48.088	49.330
6	27.000	19.510	88.211
7	27.000	36.768	43.321
8	27.000	60.810	30.157
9	29.000	41.824	47.475
10	53.413	84.000	202.406
11	33.000	43.279	52.386
12	31.000	69.741	33.214
13	29.000	67.029	32.944
14	27.000	62.768	28.341
15	97.220	68.000	101.106
16	31.000	68.732	56.095
17	33.000	23.015	116.987
18	50.602	67.000	225.215
19	33.000	40.064	49.206
20	47.098	80.000	205.793
21	31.000	38.997	43.912
22	101.359	33.000	60.984
23	68.031	33.000	82.500
24	33.000	71.931	68.185
25	46.228	60.000	198.726
26	39.259	57.000	183.178
27	31.000	16.927	151.088
28	27.000	17.481	132.637
29	31.000	79.837	61.364
30	29.000	67.890	30.014