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1998.— 56 .

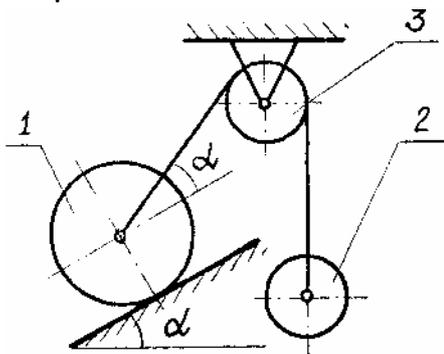
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1

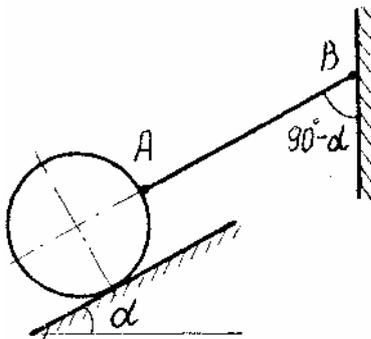
$$1 \quad 2. \quad \begin{array}{l} \bar{F}_1 \quad \bar{F}_2. \\ \bar{F}_1 \quad \bar{F}_2 \end{array} \quad \begin{array}{l} - \\ - \end{array}$$

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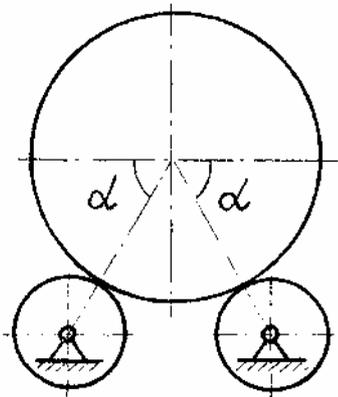
1. 1 16 2
2 3.
 $\alpha=30^\circ$.



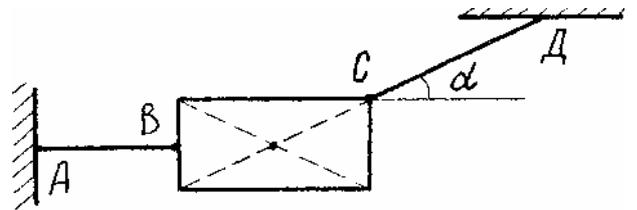
3. 12
 $\alpha=60^\circ$.



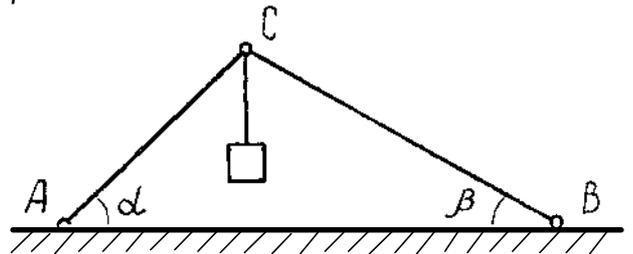
5. 1 3. 2 3
1 3, $\alpha=60^\circ$.



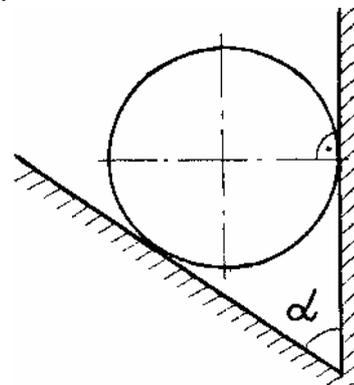
2. 10
AB CD,
CD AB,
 $\alpha=30^\circ$.



4. 40
 $\alpha=45^\circ$,
 $\beta=30^\circ$.

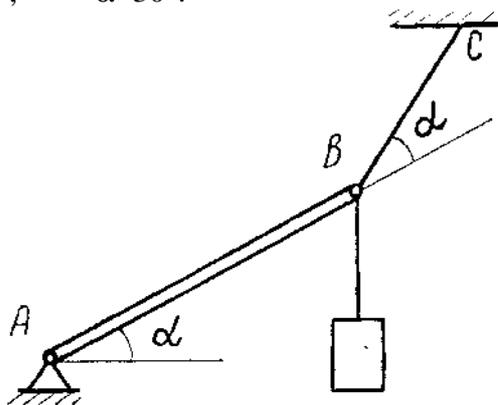


6. 40
 $\alpha=60^\circ$.



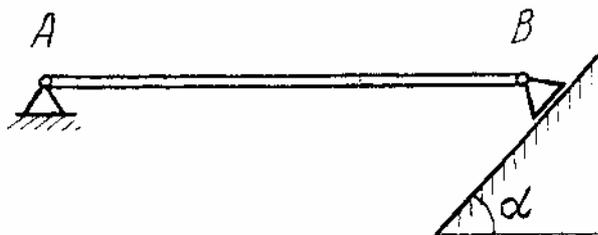
7.

50
 $\alpha=30^\circ$.



8.

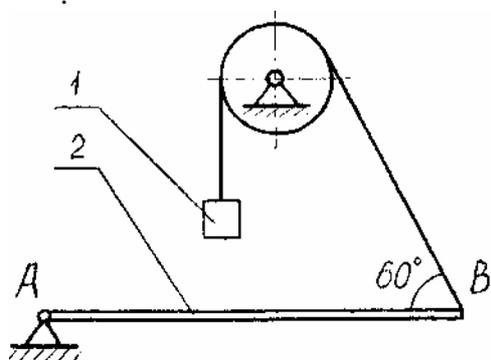
180
 $\alpha=60^\circ$.



9.

1,
 2

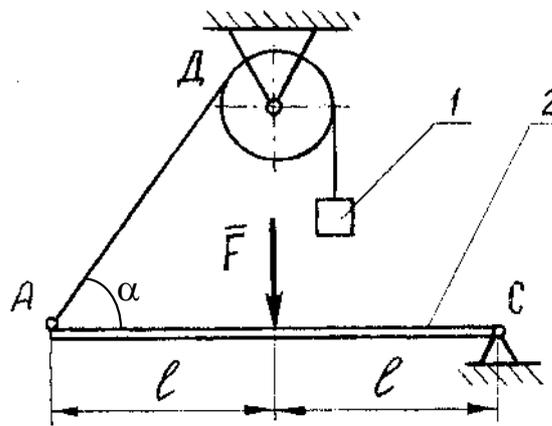
300



10.

2

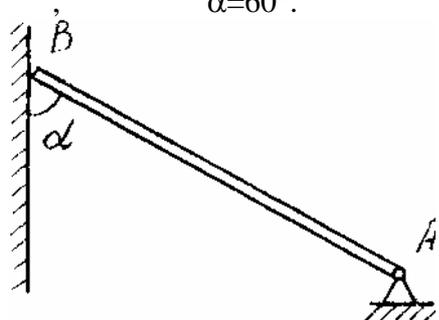
AD. F,
 1 20, $\alpha=60^\circ$, $l=2$.



11.

10

$\alpha=60^\circ$.

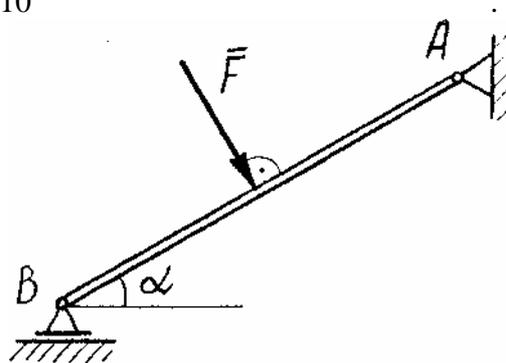


12.

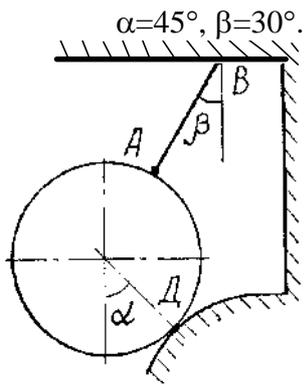
$\alpha=30^\circ$

$l=0,4$

F=10

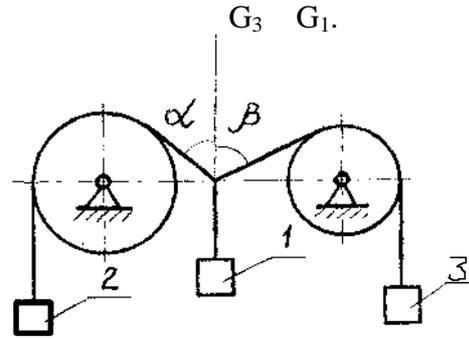


13.



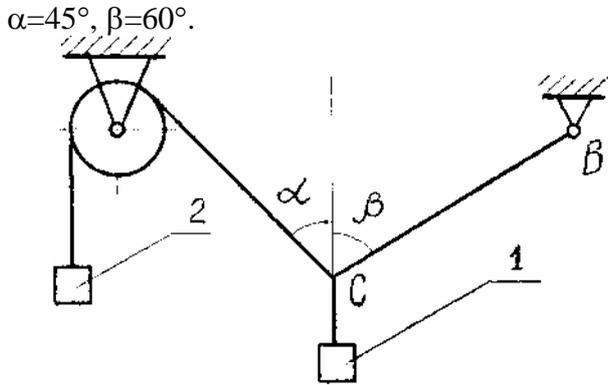
14.

\bar{G}_2 \bar{G}_3 , $G_2=50$ $\alpha=45^\circ, \beta=60^\circ$.



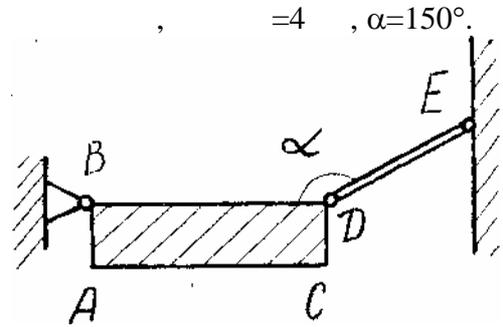
15.

G_1 , $G_2=90$, $\alpha=45^\circ, \beta=60^\circ$.

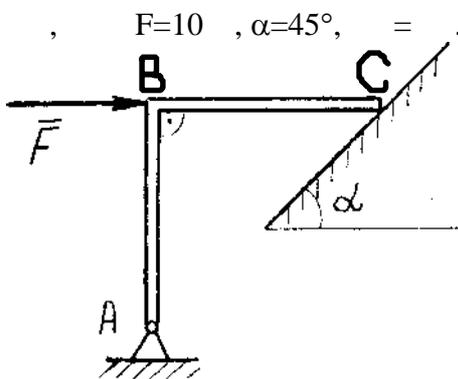


16.

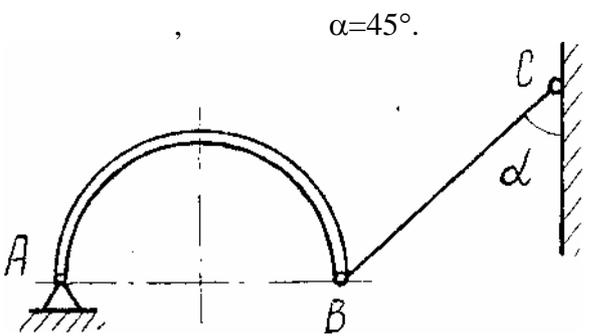
D 200, $D=4$, $\alpha=150^\circ$.



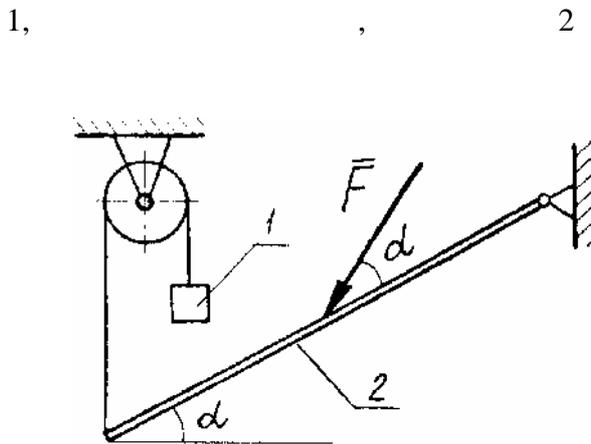
17.



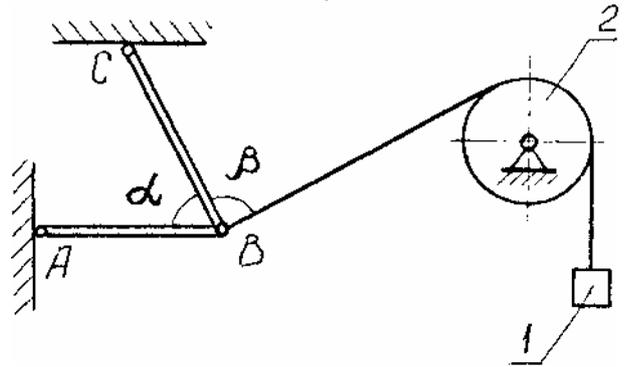
18.



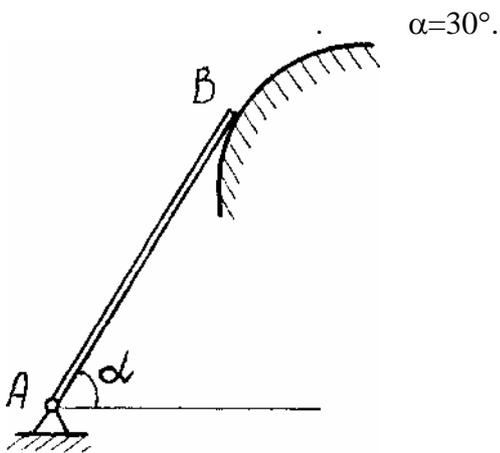
19. $F=200$
2 $\alpha=30^\circ$.



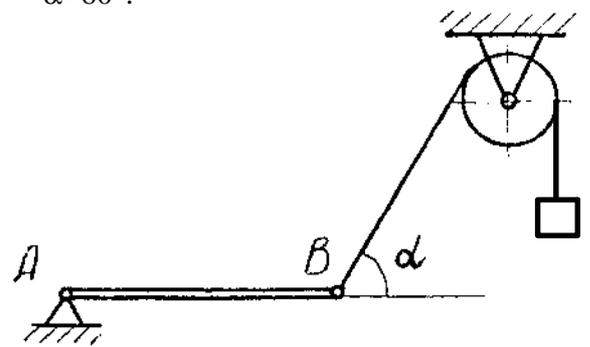
20. 1 10
2. $\alpha=60^\circ, \beta=90^\circ$.



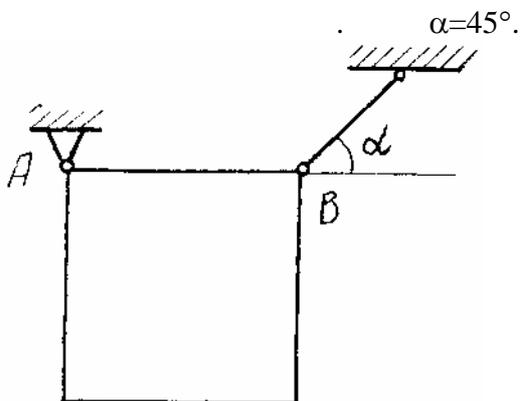
21. 1.5



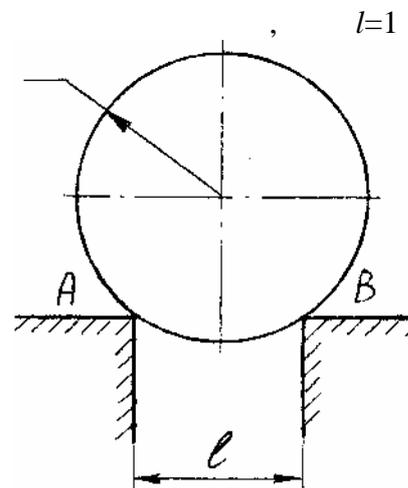
22. 500
 $\alpha=60^\circ$.



23. 200



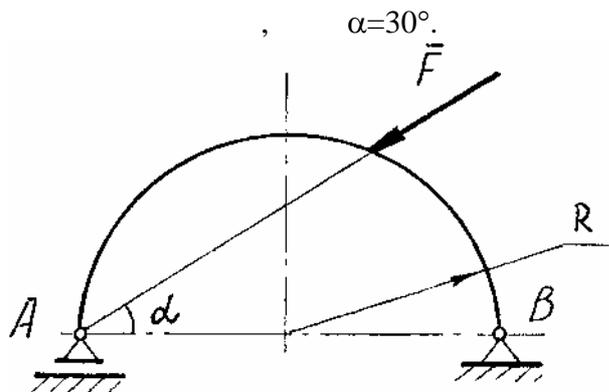
24. 20
2



25.

$R=2$

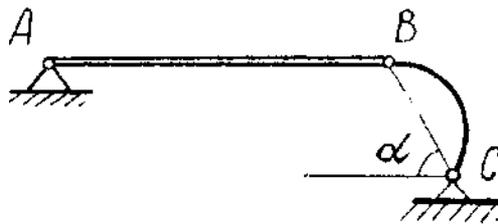
$F=40$



26.

200

$\alpha=60^\circ$



27.

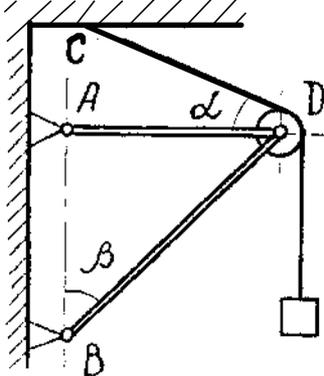
D

$G=20$

D D.

$\alpha=30^\circ$

$\beta=45^\circ$

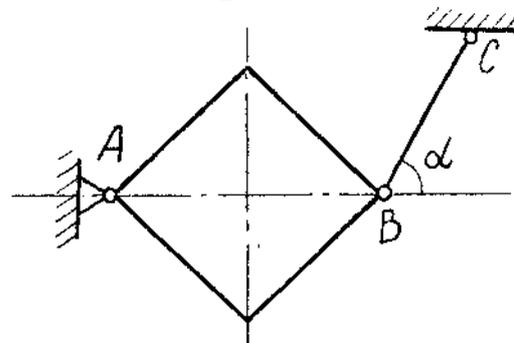


28.

100

$\alpha=60^\circ$

$l=2$

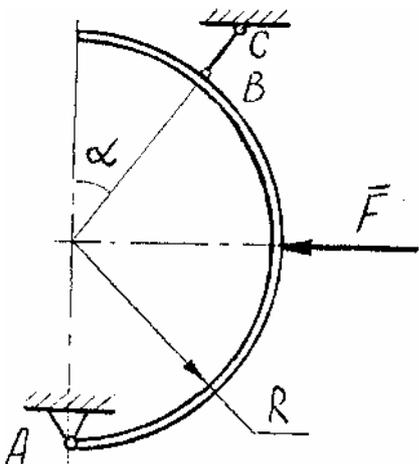


29.

$R=1$

$F=50$

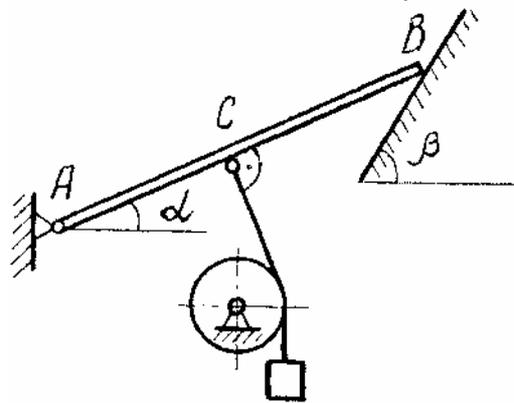
$\alpha=30^\circ$



30.

3

$\alpha=30^\circ, \beta=60^\circ$



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$\bar{\mathbf{F}}$.

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$F_1=10$; $F_2=20$.

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Q₁ (-
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$G_1,$	$G_2,$	$G_3,$	$G_4,$	$F,$, .	$l,$	$r_1,$	$r_2,$
5	3	2	10	6	4	4	0.5	0.4

7

· , \bar{F} \bar{P} , -
 q · -

$F,$,	$q,$ /	, ·	$a,$	$b,$	$\alpha,$
4	6	1	5	2	3	30

8

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9

$$F=100 \text{ .}$$

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22.

P Q ,

q

P .

(22).

G

P Q .

Q ,	,	R ,	r ,	a ,	b ,	c ,	α ,
20	10	1	0.5	0.4	0.6	0.3	30

11

,

=2 , $F_1=10$, $F_2=20$, $F_3=15$.

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