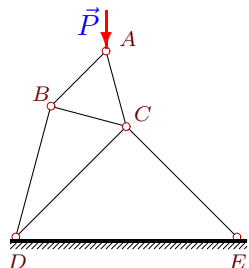


Плоская конструкция из 6 стержней

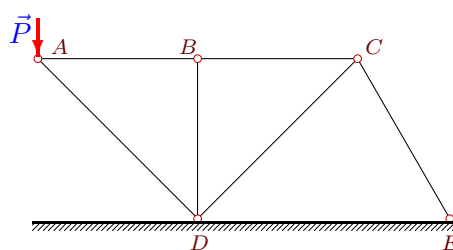
Кирсанов М.Н. **Решбник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.: ФИЗМАТЛИТ, 2008. — 384 с. (с.14.)

Задача S1.1. Анохин Дмитрий Андреевич



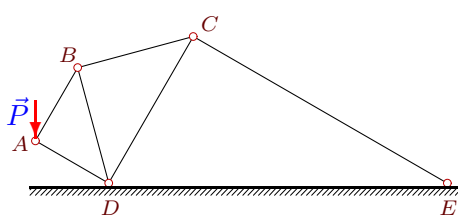
$P=27$ кН,
 $\angle ACB=60^\circ$,
 $\angle ABC=60^\circ$,
 $\angle BDC=30^\circ$,
 $\angle BCD=60^\circ$,
 $\angle CDE=45^\circ$,
 $\angle CED=45^\circ$.

Задача S1.2. Белозерцева Людмила Павловна



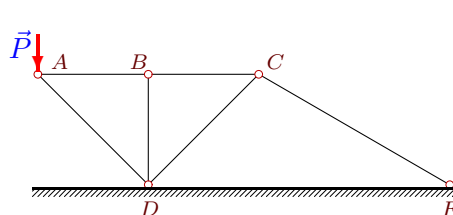
$P=3$ кН,
 $\angle ABD=90^\circ$,
 $\angle ADB=45^\circ$,
 $\angle BDC=45^\circ$,
 $\angle BCD=45^\circ$,
 $\angle CDE=45^\circ$,
 $\angle CED=60^\circ$.

Задача S1.3. Васильев Владислав Олегович



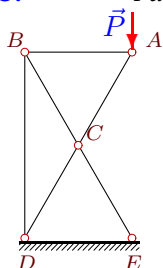
$P=19$ кН,
 $\angle ABD=45^\circ$,
 $\angle ADB=45^\circ$,
 $\angle BDC=45^\circ$,
 $\angle BCD=45^\circ$,
 $\angle CDE=60^\circ$,
 $\angle CED=30^\circ$.

Задача S1.4. Вечеркин Юрий Станиславович



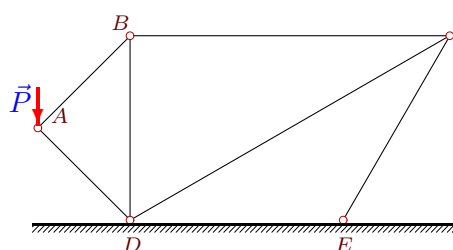
$P=17$ кН,
 $\angle ABD=90^\circ$,
 $\angle ADB=45^\circ$,
 $\angle BDC=45^\circ$,
 $\angle BCD=45^\circ$,
 $\angle CDE=45^\circ$,
 $\angle CED=30^\circ$.

Задача S1.5. Гарифов Руслан Расилевич



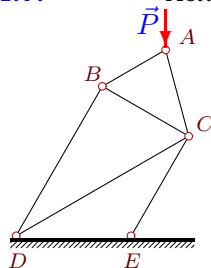
$P=14$ кН,
 $\angle ACB=60^\circ$,
 $\angle ABC=60^\circ$,
 $\angle BDC=30^\circ$,
 $\angle BCD=120^\circ$,
 $\angle CDE=60^\circ$,
 $\angle CED=60^\circ$.

Задача S1.6. Гулиев Ибрагим Хайям Оглы



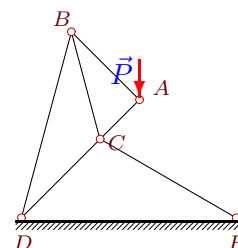
$P=28$ кН,
 $\angle ABD=45^\circ$,
 $\angle ADB=45^\circ$,
 $\angle BDC=60^\circ$,
 $\angle BCD=30^\circ$,
 $\angle CDE=30^\circ$,
 $\angle CED=120^\circ$.

Задача S1.7. Колякина Лидия Олеговна



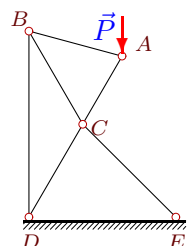
$P=3$ кН,
 $\angle ACB=45^\circ$,
 $\angle ABC=60^\circ$,
 $\angle BDC=30^\circ$,
 $\angle BCD=60^\circ$,
 $\angle CDE=30^\circ$,
 $\angle CED=120^\circ$.

Задача S1.8. Лушин Алексей Сергеевич



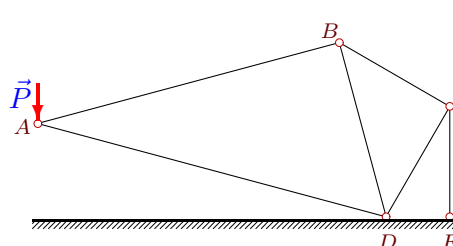
$P=10$ кН,
 $\angle ACB=60^\circ$,
 $\angle ABC=30^\circ$,
 $\angle BDC=30^\circ$,
 $\angle BCD=120^\circ$,
 $\angle CDE=45^\circ$,
 $\angle CED=30^\circ$.

Задача S1.9. Масленков Антон Александрович



$P=1$ кН,
 $\angle ACB=60^\circ$,
 $\angle ABC=45^\circ$,
 $\angle BDC=30^\circ$,
 $\angle BCD=120^\circ$,
 $\angle CDE=60^\circ$,
 $\angle CED=45^\circ$.

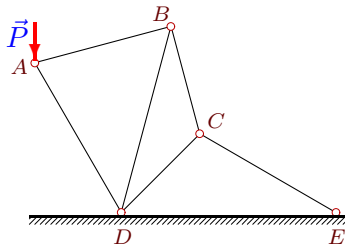
Задача S1.10. Мусаев Юрий Эрастович



$P=9$ кН,
 $\angle ABD=90^\circ$,
 $\angle ADB=60^\circ$,
 $\angle BDC=45^\circ$,
 $\angle BCD=90^\circ$,
 $\angle CDE=60^\circ$,
 $\angle CED=90^\circ$.

Задача S1.11.

Панков Илья Вячеславович



$$P=20 \text{ кН,}$$

$$\angle ABD=60^\circ,$$

$$\angle ADB=45^\circ,$$

$$\angle BDC=30^\circ,$$

$$\angle BCD=120^\circ,$$

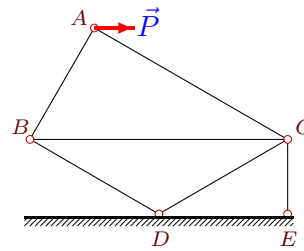
$$\angle CDE=45^\circ,$$

$$\angle CED=30^\circ.$$

Задача S1.12.

Панченко Дмитрий

Владимирович



$$P=3 \text{ кН,}$$

$$\angle ACB=30^\circ,$$

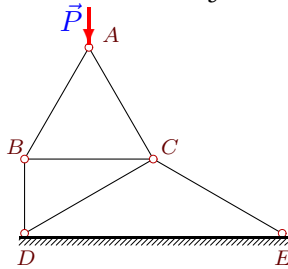
$$\angle ABC=60^\circ,$$

$$\angle BDC=120^\circ,$$

$$\angle BCD=30^\circ,$$

$$\angle CDE=30^\circ,$$

$$\angle CED=90^\circ.$$

Задача S1.13. Светушков Алексей Валерьевич

$$P=22 \text{ кН,}$$

$$\angle ACB=60^\circ,$$

$$\angle ABC=60^\circ,$$

$$\angle BDC=60^\circ,$$

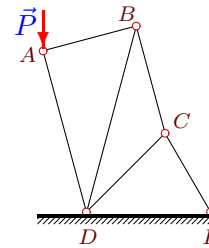
$$\angle BCD=30^\circ,$$

$$\angle CDE=30^\circ,$$

$$\angle CED=30^\circ.$$

Задача S1.14.

Соснин Никита Дмитриевич



$$P=18 \text{ кН,}$$

$$\angle ABD=60^\circ,$$

$$\angle ADB=30^\circ,$$

$$\angle BDC=30^\circ,$$

$$\angle BCD=120^\circ,$$

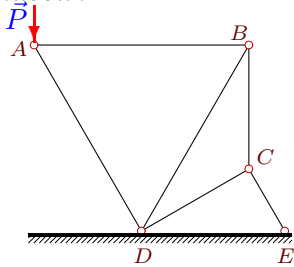
$$\angle CDE=45^\circ,$$

$$\angle CED=60^\circ.$$

Задача S1.15.

Степанишин Дмитрий

Витальевич



$$P=29 \text{ кН,}$$

$$\angle ABD=60^\circ,$$

$$\angle ADB=60^\circ,$$

$$\angle BDC=30^\circ,$$

$$\angle BCD=120^\circ,$$

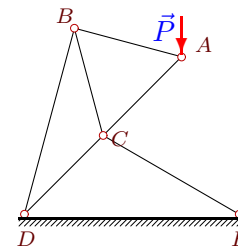
$$\angle CDE=30^\circ,$$

$$\angle CED=60^\circ.$$

Задача S1.16.

Шапошникова Ольга

Александровна



$$P=17 \text{ кН,}$$

$$\angle ACB=60^\circ,$$

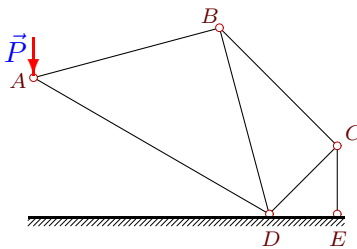
$$\angle ABC=60^\circ,$$

$$\angle BDC=30^\circ,$$

$$\angle BCD=120^\circ,$$

$$\angle CDE=45^\circ,$$

$$\angle CED=30^\circ.$$

Задача S1.17.

$$P=6 \text{ кН,}$$

$$\angle ABD=90^\circ,$$

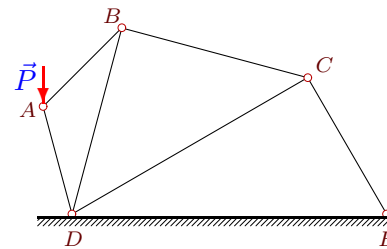
$$\angle ADB=45^\circ,$$

$$\angle BDC=60^\circ,$$

$$\angle BCD=90^\circ,$$

$$\angle CDE=45^\circ,$$

$$\angle CED=90^\circ.$$

Задача S1.18.

$$P=11 \text{ кН,}$$

$$\angle ABD=30^\circ,$$

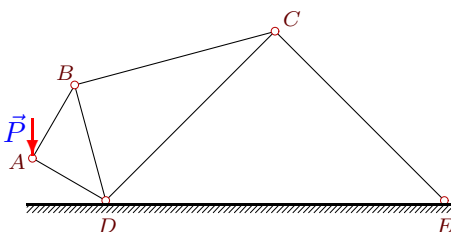
$$\angle ADB=30^\circ,$$

$$\angle BDC=45^\circ,$$

$$\angle BCD=45^\circ,$$

$$\angle CDE=30^\circ,$$

$$\angle CED=60^\circ.$$

Задача S1.19.

$$P=26 \text{ кН,}$$

$$\angle ABD=45^\circ,$$

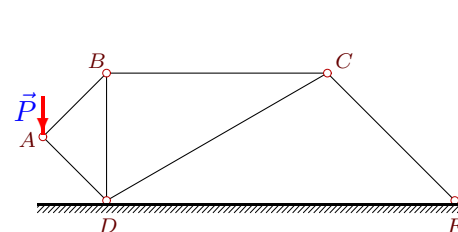
$$\angle ADB=45^\circ,$$

$$\angle BDC=60^\circ,$$

$$\angle BCD=30^\circ,$$

$$\angle CDE=45^\circ,$$

$$\angle CED=45^\circ.$$

Задача S1.20.

$$P=13 \text{ кН,}$$

$$\angle ABD=45^\circ,$$

$$\angle ADB=45^\circ,$$

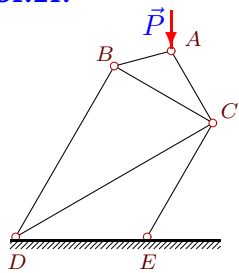
$$\angle BDC=60^\circ,$$

$$\angle BCD=30^\circ,$$

$$\angle CDE=30^\circ,$$

$$\angle CED=45^\circ.$$

Задача S1.21.



$P=17$ кН,
 $\angle ACB=30^\circ$,
 $\angle ABC=45^\circ$,
 $\angle BDC=30^\circ$,
 $\angle BCD=60^\circ$,
 $\angle CDE=30^\circ$,
 $\angle CED=120^\circ$.