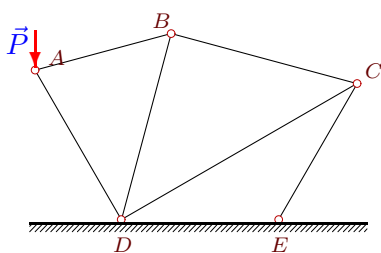


# Плоская конструкция из 6 стержней

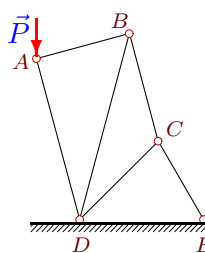
Кирсанов М.Н. **Решebник. Теоретическая механика**/Под ред. А. И. Кириллова.- М.:ФИЗМАТЛИТ, 2008.- 384 с. (с.14.)

**Задача 1.1.** *Виноградов Павел Андреевич*



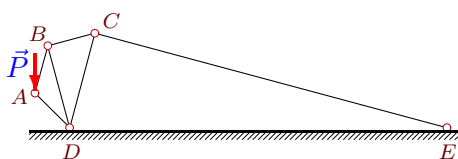
$P=26$  кН,  
 $\angle ABD=60^\circ$ ,  
 $\angle ADB=45^\circ$ ,  
 $\angle BDC=45^\circ$ ,  
 $\angle BCD=45^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=120^\circ$ .

**Задача 1.2.** *Волокитин Александр Сергеевич*



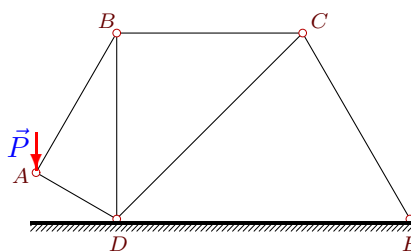
$P=19$  кН,  
 $\angle ABD=60^\circ$ ,  
 $\angle ADB=30^\circ$ ,  
 $\angle BDC=30^\circ$ ,  
 $\angle BCD=120^\circ$ ,  
 $\angle CDE=45^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.3.** *Корольков Денис Алексеевич*



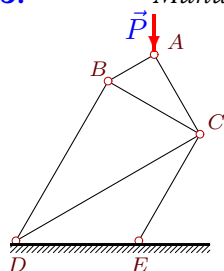
$P=2$  кН,  
 $\angle ABD=30^\circ$ ,  
 $\angle ADB=30^\circ$ ,  
 $\angle BDC=30^\circ$ ,  
 $\angle BCD=60^\circ$ ,  
 $\angle CDE=75^\circ$ ,  
 $\angle CED=15^\circ$ .

**Задача 1.4.** *Левина Мария Михайловна*



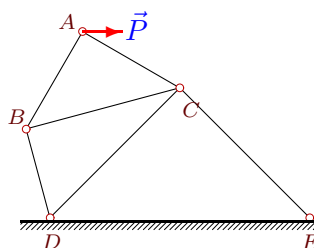
$P=20$  кН,  
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 $\angle ADB=60^\circ$ ,  
 $\angle BDC=45^\circ$ ,  
 $\angle BCD=45^\circ$ ,  
 $\angle CDE=45^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.5.** *Минибаев Кирилл Раисович*



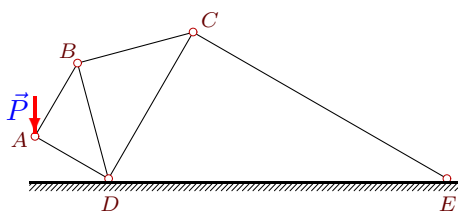
$P=18$  кН,  
 $\angle ACB=30^\circ$ ,  
 $\angle ABC=60^\circ$ ,  
 $\angle BDC=30^\circ$ ,  
 $\angle BCD=60^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=120^\circ$ .

**Задача 1.6.** *Михайлов Егор Викторович*



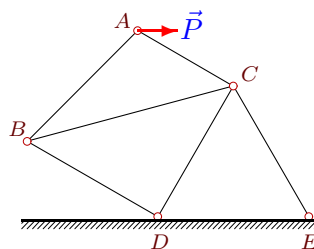
$P=7$  кН,  
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 $\angle ABC=45^\circ$ ,  
 $\angle BDC=60^\circ$ ,  
 $\angle BCD=30^\circ$ ,  
 $\angle CDE=45^\circ$ ,  
 $\angle CED=45^\circ$ .

**Задача 1.7.** *Мишустина Мария Николаевна*



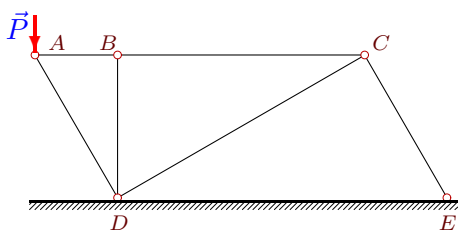
$P=24$  кН,  
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 $\angle ADB=45^\circ$ ,  
 $\angle BDC=45^\circ$ ,  
 $\angle BCD=45^\circ$ ,  
 $\angle CDE=60^\circ$ ,  
 $\angle CED=30^\circ$ .

**Задача 1.8.** *Мотылев Максим Владимирович*



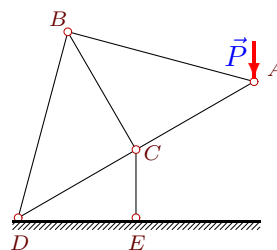
$P=24$  кН,  
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 $\angle ABC=30^\circ$ ,  
 $\angle BDC=90^\circ$ ,  
 $\angle BCD=45^\circ$ ,  
 $\angle CDE=60^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.9.** *Петрунин Кирилл Олегович*



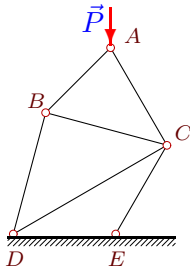
$P=23$  кН,  
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 $\angle ADB=30^\circ$ ,  
 $\angle BDC=60^\circ$ ,  
 $\angle BCD=30^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.10.** *Пугач Кристина Сергеевна*



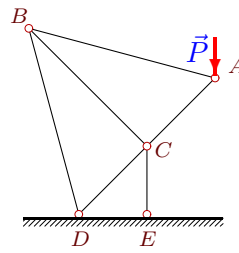
$P=11$  кН,  
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 $\angle ABC=45^\circ$ ,  
 $\angle BDC=45^\circ$ ,  
 $\angle BCD=90^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=90^\circ$ .

**Задача 1.11.** Селезнева Дарья Дмитриевна



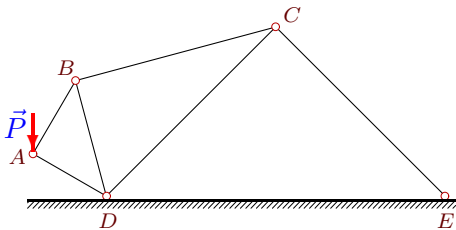
$P=23$  кН,  
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 $\angle ABC=60^\circ$ ,  
 $\angle BDC=45^\circ$ ,  
 $\angle BCD=45^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=120^\circ$ .

**Задача 1.12.** Сухоручкин Артур Вячеславович



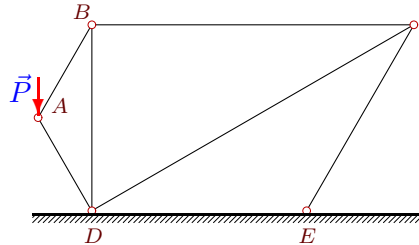
$P=17$  кН,  
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 $\angle ABC=30^\circ$ ,  
 $\angle BDC=60^\circ$ ,  
 $\angle BCD=90^\circ$ ,  
 $\angle CDE=45^\circ$ ,  
 $\angle CED=90^\circ$ .

**Задача 1.13.** Фалалеев Антон Андреевич



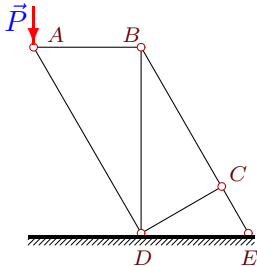
$P=27$  кН,  
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 $\angle CDE=45^\circ$ ,  
 $\angle CED=45^\circ$ .

**Задача 1.14.** Федотов Иван Юрьевич



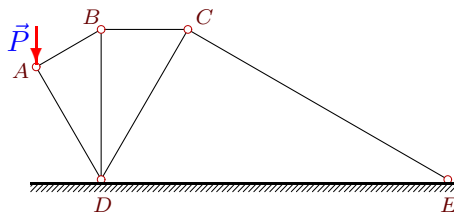
$P=27$  кН,  
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 $\angle BDC=60^\circ$ ,  
 $\angle BCD=30^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=120^\circ$ .

**Задача 1.15.** Числов Алексей Юрьевич



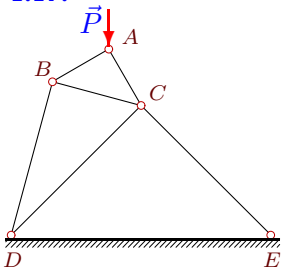
$P=14$  кН,  
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 $\angle ADB=30^\circ$ ,  
 $\angle BDC=60^\circ$ ,  
 $\angle BCD=90^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.16.** Чурикова Кристина Геннадьевна



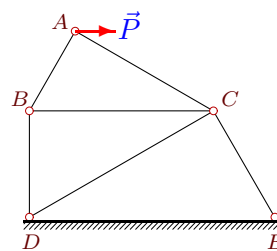
$P=9$  кН,  
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 $\angle BDC=30^\circ$ ,  
 $\angle BCD=60^\circ$ ,  
 $\angle CDE=60^\circ$ ,  
 $\angle CED=30^\circ$ .

**Задача 1.17.**



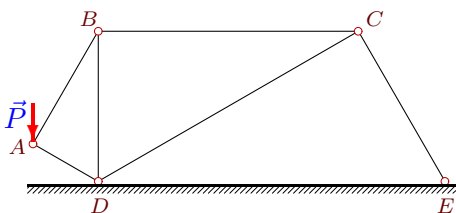
$P=12$  кН,  
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 $\angle ABC=45^\circ$ ,  
 $\angle BDC=30^\circ$ ,  
 $\angle BCD=60^\circ$ ,  
 $\angle CDE=45^\circ$ ,  
 $\angle CED=45^\circ$ .

**Задача 1.18.**



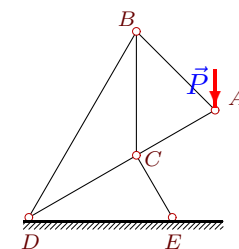
$P=20$  кН,  
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 $\angle BCD=30^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.19.**



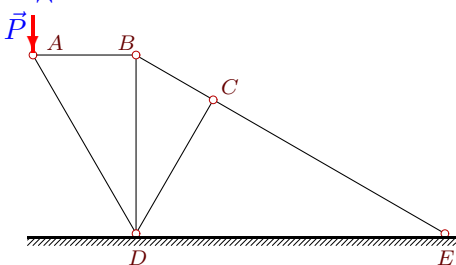
$P=31$  кН,  
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 $\angle CED=60^\circ$ .

**Задача 1.20.**



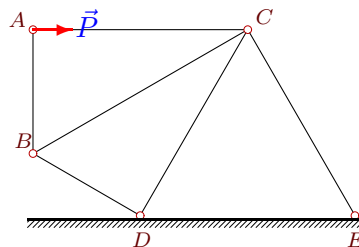
$P=16$  кН,  
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 $\angle ABC=45^\circ$ ,  
 $\angle BDC=30^\circ$ ,  
 $\angle BCD=120^\circ$ ,  
 $\angle CDE=30^\circ$ ,  
 $\angle CED=60^\circ$ .

**Задача 1.21.**



$P=4$  кН,  
 $\angle ABD=90^\circ$ ,  
 $\angle ADB=30^\circ$ ,  
 $\angle BDC=30^\circ$ ,  
 $\angle BCD=90^\circ$ ,  
 $\angle CDE=60^\circ$ ,  
 $\angle CED=30^\circ$ .

**Задача 1.22.**



$P=21$  кН,  
 $\angle ACB=30^\circ$ ,  
 $\angle ABC=60^\circ$ ,  
 $\angle BDC=90^\circ$ ,  
 $\angle BCD=30^\circ$ ,  
 $\angle CDE=60^\circ$ ,  
 $\angle CED=60^\circ$ .