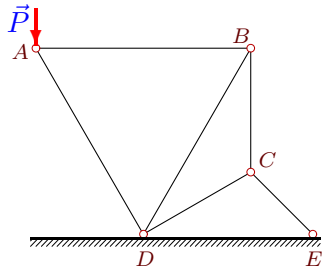
Плоская конструкция из 6 стержней

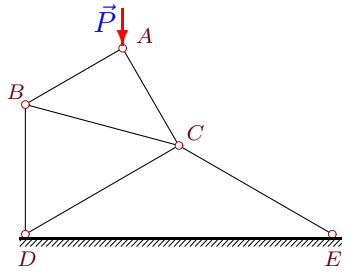
Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.: ФИЗМАТЛИТ, 2008. — 384 с. (с.14.)

Задача 1.1. III



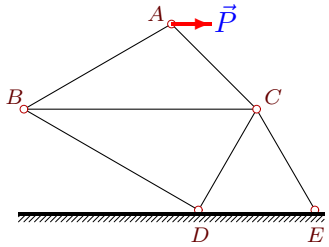
P=18 кН,
$\angle ABD$=60°,
$\angle ADB$=60°,
$\angle BDC$=30°,
$\angle BCD$=120°,
$\angle CDE$=30°,
$\angle CED$=45°.

Задача 1.2. III



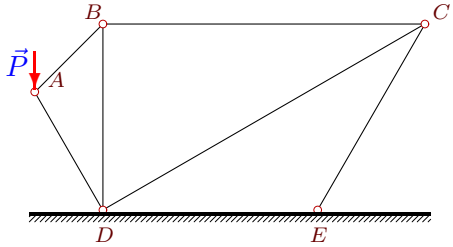
P=1 кН,
$\angle ACB$=45°,
$\angle ABC$=45°,
$\angle BDC$=60°,
$\angle BCD$=45°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача 1.3. III



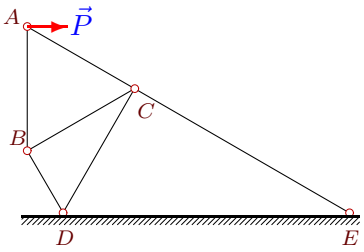
P=4 кН,
$\angle ACB$=45°,
$\angle ABC$=30°,
$\angle BDC$=90°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача 1.4. III



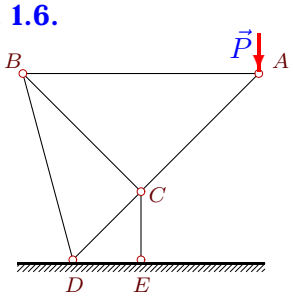
P=9 кН,
$\angle ABD$=45°,
$\angle ADB$=30°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача 1.5. III



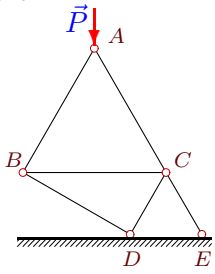
P=5 кН,
$\angle ACB$=60°,
$\angle ABC$=60°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=60°,
$\angle CED$=30°.

Задача 1.6. III



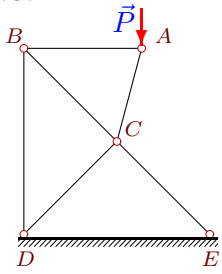
P=13 кН,
$\angle ACB$=90°,
$\angle ABC$=45°,
$\angle BDC$=60°,
$\angle BCD$=90°,
$\angle CDE$=45°,
$\angle CED$=90°.

Задача 1.7. III



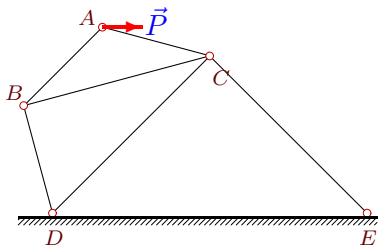
P=33 кН,
$\angle ACB$=60°,
$\angle ABC$=60°,
$\angle BDC$=90°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача 1.8. III



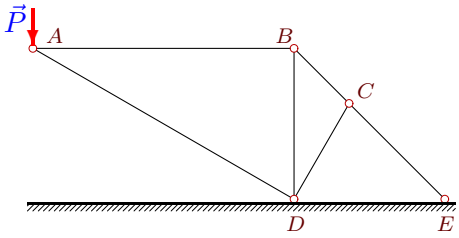
P=24 кН,
$\angle ACB$=60°,
$\angle ABC$=45°,
$\angle BDC$=45°,
$\angle BCD$=90°,
$\angle CDE$=45°,
$\angle CED$=45°.

Задача 1.9. III



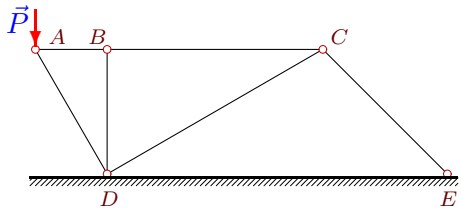
P=20 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=45°,
$\angle CED$=45°.

Задача 1.10. III



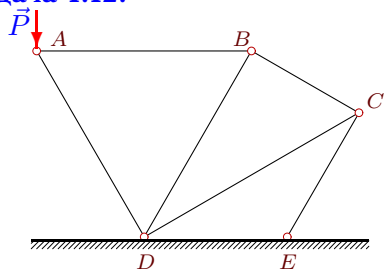
P=4 кН,
$\angle ABD$=90°,
$\angle ADB$=60°,
$\angle BDC$=30°,
$\angle BCD$=105°,
$\angle CDE$=60°,
$\angle CED$=45°.

Задача 1.11. III



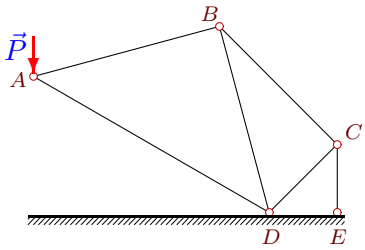
P=29 кН,
$\angle ABD$=90°,
$\angle ADB$=30°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=45°.

Задача 1.12. III



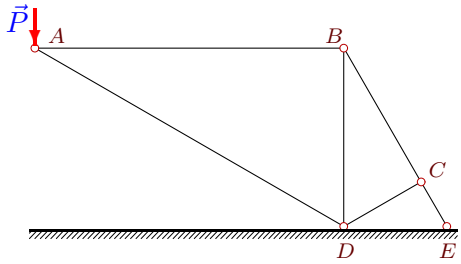
P=3 кН,
$\angle ABD$=60°,
$\angle ADB$=60°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача 1.13. III



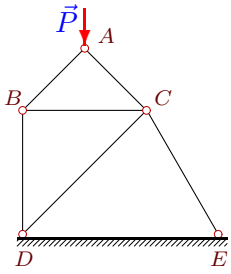
P=27 кН,
$\angle ABD$=90°,
$\angle ADB$=45°,
$\angle BDC$=60°,
$\angle BCD$=90°,
$\angle CDE$=45°,
$\angle CED$=90°.

Задача 1.14. III



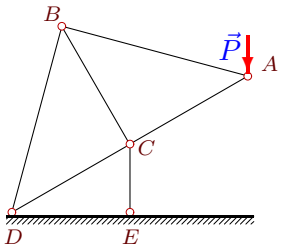
P=13 кН,
$\angle ABD$=90°,
$\angle ADB$=60°,
$\angle BDC$=60°,
$\angle BCD$=90°,
$\angle CDE$=30°,
$\angle CED$=60°.

Задача 1.15. III



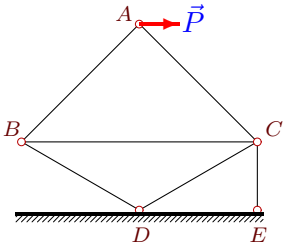
P=23 кН,
$\angle ACB$=45°,
$\angle ABC$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=60°.

Задача 1.16. III



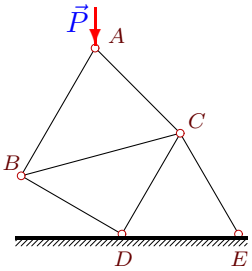
P=8 кН,
$\angle ACB$=90°,
$\angle ABC$=45°,
$\angle BDC$=45°,
$\angle BCD$=90°,
$\angle CDE$=30°,
$\angle CED$=90°.

Задача 1.17. III



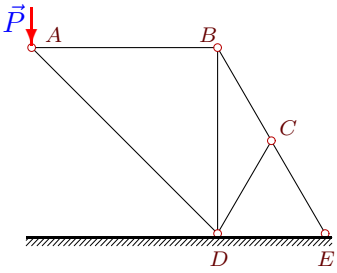
P=33 кН,
$\angle ACB$=45°,
$\angle ABC$=45°,
$\angle BDC$=120°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=90°.

Задача 1.18. III



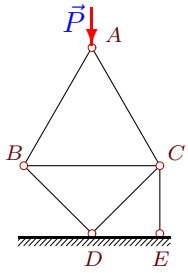
P=21 кН,
$\angle ACB$=60°,
$\angle ABC$=45°,
$\angle BDC$=90°,
$\angle BCD$=45°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача 1.19. III



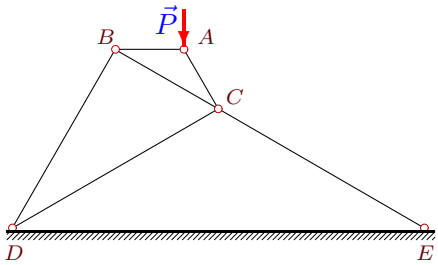
P=24 кН,
$\angle ABD$=90°,
$\angle ADB$=45°,
$\angle BDC$=30°,
$\angle BCD$=120°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача 1.20. III



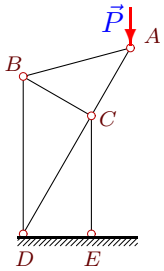
P=25 кН,
$\angle ACB$=60°,
$\angle ABC$=60°,
$\angle BDC$=90°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=90°.

Задача 1.21. III



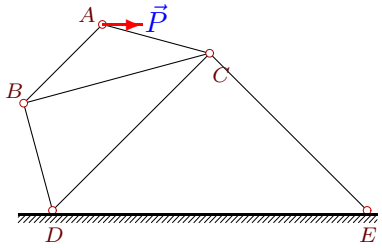
P=18 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача 1.22. III



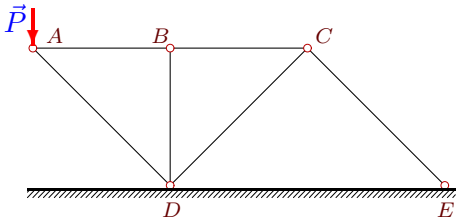
P=17 кН,
$\angle ACB$=90°,
$\angle ABC$=45°,
$\angle BDC$=30°,
$\angle BCD$=90°,
$\angle CDE$=60°,
$\angle CED$=90°.

Задача 1.23. III



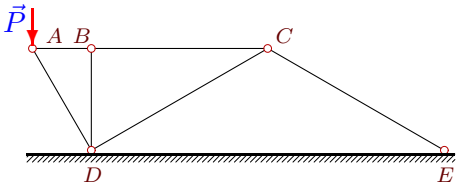
P=31 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=45°,
$\angle CED$=45°.

Задача 1.24. III



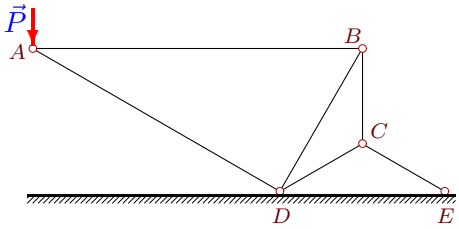
P=7 кН,
$\angle ABD$=90°,
$\angle ADB$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=45°.

Задача 1.25. III



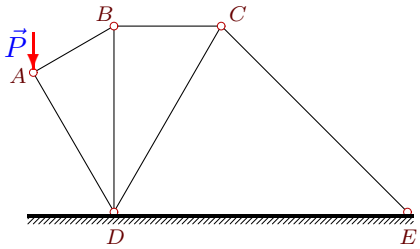
P=19 кН,
$\angle ABD$=90°,
$\angle ADB$=30°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача 1.26. III



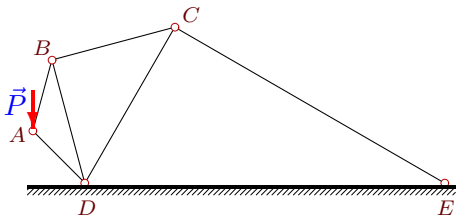
P=1 кН,
$\angle ABD$=60°,
$\angle ADB$=90°,
$\angle BDC$=30°,
$\angle BCD$=120°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача 1.27. III



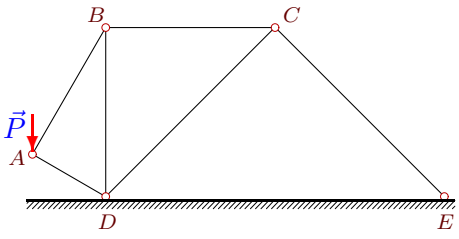
P=18 кН,
$\angle ABD$=60°,
$\angle ADB$=30°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=45°.

Задача 1.28. III



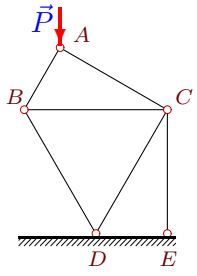
P=2 кН,
$\angle ABD$=30°,
$\angle ADB$=30°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=60°,
$\angle CED$=30°.

Задача 1.29. III



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

Задача 1.30. III



P=31 кН,
$\angle ACB$=30°,
$\angle ABC$=60°,
$\angle BDC$=60°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=90°.