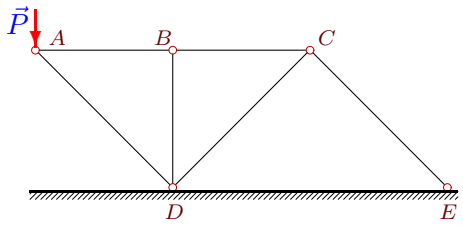
Плоская конструкция из 6 стержней

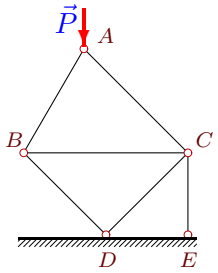
Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова.– М.: ФИЗМАТЛИТ, 2008. — 384 с. (с.14.)

Задача S-1.1. *Волкобой Илья*



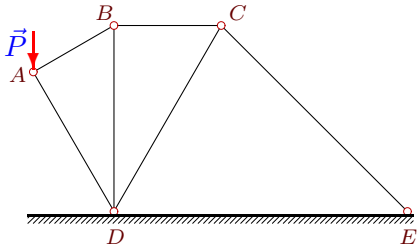
P=28 кН,
$\angle ABD$=90°,
$\angle ADB$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=45°.

Задача S-1.2. *Никитенков Федор*



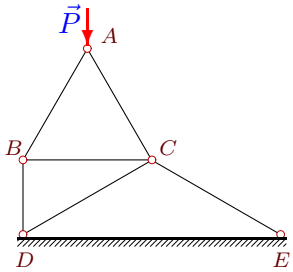
P=12 кН,
$\angle ACB$=45°,
$\angle ABC$=60°,
$\angle BDC$=90°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=90°.

Задача S-1.3. *Шубин Станислав*



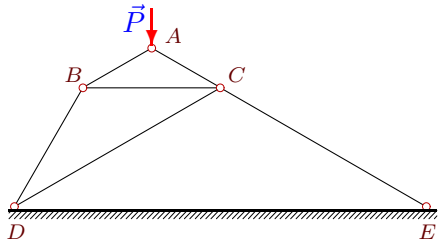
P=11 кН,
$\angle ABD$=60°,
$\angle ADB$=30°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=45°.

Задача S-1.4. *Чумаков Иван*



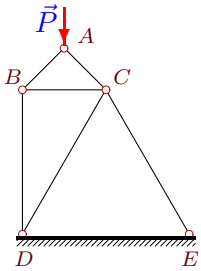
P=18 кН,
$\angle ACB$=60°,
$\angle ABC$=60°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача S-1.5. *Хачалов Магомед*



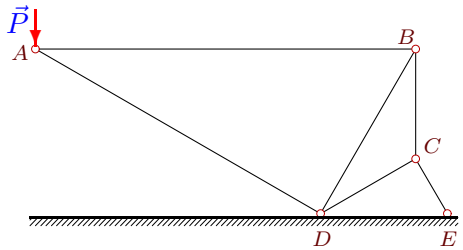
P=14 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=30°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача S-1.6. *Оршак Сергей*



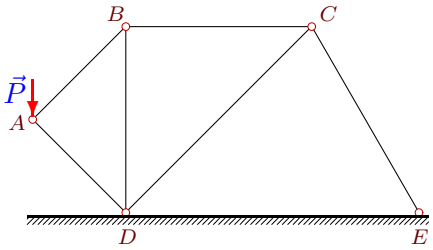
P=13 кН,
$\angle ACB$=45°,
$\angle ABC$=45°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача S-1.7. *Ярилин*



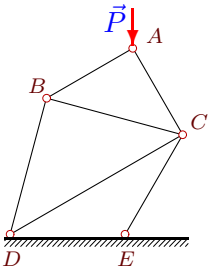
P=9 кН,
$\angle ABD$=60°,
$\angle ADB$=90°,
$\angle BDC$=30°,
$\angle BCD$=120°,
$\angle CDE$=30°,
$\angle CED$=60°.

Задача S-1.8. *Костин Д.*



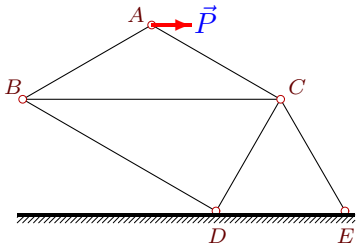
P=30 кН,
$\angle ABD$=45°,
$\angle ADB$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=60°.

Задача S-1.9. *Слявин Ярослав*



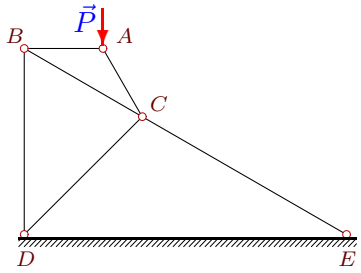
P=17 кН,
$\angle ACB$=45°,
$\angle ABC$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.10. *Семенова*



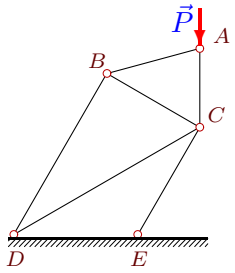
P=26 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=90°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача S-1.11. *Акулина*



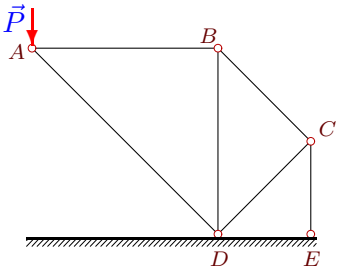
P=10 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=45°,
$\angle BCD$=75°,
$\angle CDE$=45°,
$\angle CED$=30°.

Задача S-1.12. *Картушин Александр*



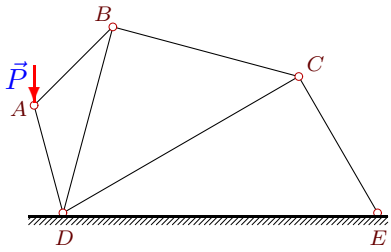
P=7 кН,
$\angle ACB$=60°,
$\angle ABC$=45°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.13. *Горбатенко Егор*



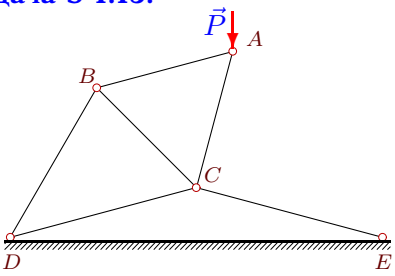
P=23 кН,
$\angle ABD$=90°,
$\angle ADB$=45°,
$\angle BDC$=45°,
$\angle BCD$=90°,
$\angle CDE$=45°,
$\angle CED$=90°.

Задача S-1.14. *Юшин*



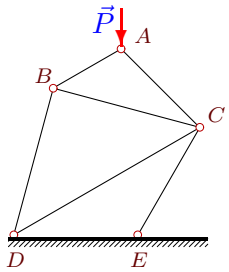
P=26 кН,
$\angle ABD$=30°,
$\angle ADB$=30°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=30°,
$\angle CED$=60°.

Задача S-1.15. *Биль Евгений*



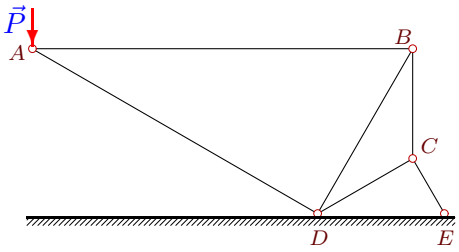
P=3 кН,
$\angle ACB$=60°,
$\angle ABC$=60°,
$\angle BDC$=45°,
$\angle BCD$=60°,
$\angle CDE$=15°,
$\angle CED$=15°.

Задача S-1.16. *Муржи Николай*



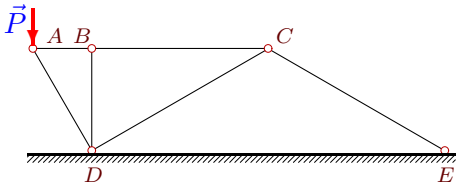
P=16 кН,
$\angle ACB$=30°,
$\angle ABC$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.17. *Петухов*



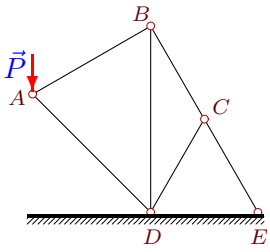
P=23 кН,
$\angle ABD$=60°,
$\angle ADB$=90°,
$\angle BDC$=30°,
$\angle BCD$=120°,
$\angle CDE$=30°,
$\angle CED$=60°.

Задача S-1.18. *Губин Иван*



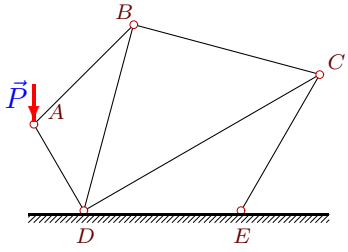
P=19 кН,
$\angle ABD$=90°,
$\angle ADB$=30°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача S-1.19. *Баранов Максим*



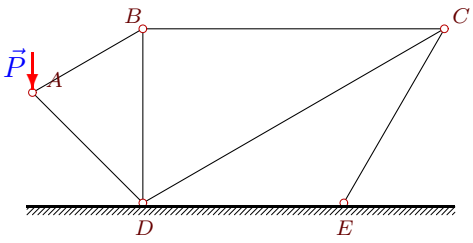
P=19 кН,
$\angle ABD$=60°,
$\angle ADB$=45°,
$\angle BDC$=30°,
$\angle BCD$=120°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача S-1.20. *Оптиев Владислав*



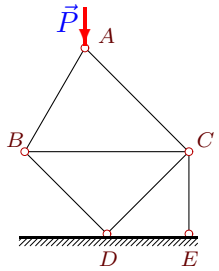
P=1 кН,
$\angle ABD$=30°,
$\angle ADB$=45°,
$\angle BDC$=45°,
$\angle BCD$=45°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.21.



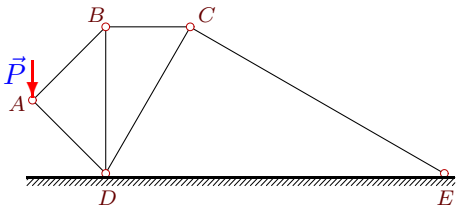
P=27 кН,
$\angle ABD$=60°,
$\angle ADB$=45°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.22.



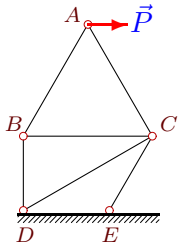
P=5 кН,
$\angle ACB$=45°,
$\angle ABC$=60°,
$\angle BDC$=90°,
$\angle BCD$=45°,
$\angle CDE$=45°,
$\angle CED$=90°.

Задача S-1.23.



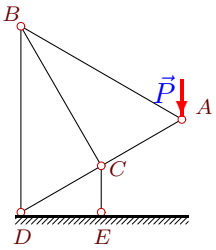
P=6 кН,
$\angle ABD$=45°,
$\angle ADB$=45°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=30°.

Задача S-1.24.



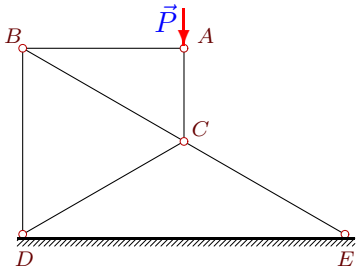
P=17 кН,
$\angle ACB$=60°,
$\angle ABC$=60°,
$\angle BDC$=60°,
$\angle BCD$=30°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.25.



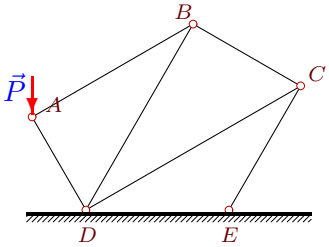
P=14 кН,
$\angle ACB$=90°,
$\angle ABC$=30°,
$\angle BDC$=60°,
$\angle BCD$=90°,
$\angle CDE$=30°,
$\angle CED$=90°.

Задача S-1.26.



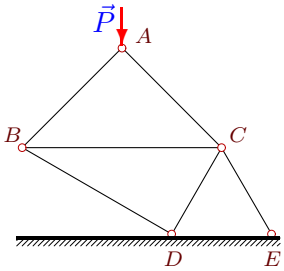
P=10 кН,
$\angle ACB$=60°,
$\angle ABC$=30°,
$\angle BDC$=60°,
$\angle BCD$=60°,
$\angle CDE$=30°,
$\angle CED$=30°.

Задача S-1.27.



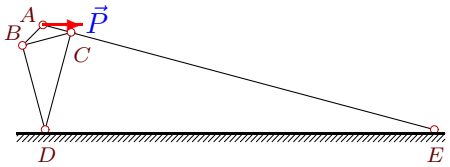
P=18 кН,
$\angle ABD$=30°,
$\angle ADB$=60°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=30°,
$\angle CED$=120°.

Задача S-1.28.



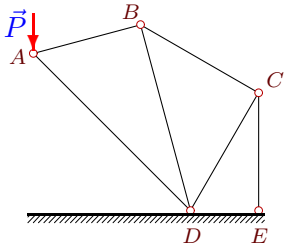
P=22 кН,
$\angle ACB$=45°,
$\angle ABC$=45°,
$\angle BDC$=90°,
$\angle BCD$=60°,
$\angle CDE$=60°,
$\angle CED$=60°.

Задача S-1.29.



P=32 кН,
$\angle ACB$=30°,
$\angle ABC$=30°,
$\angle BDC$=30°,
$\angle BCD$=60°,
$\angle CDE$=75°,
$\angle CED$=15°.

Задача S-1.30.



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