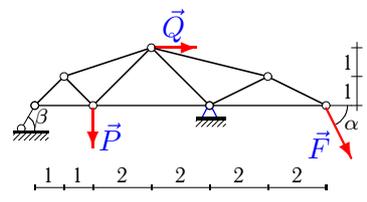
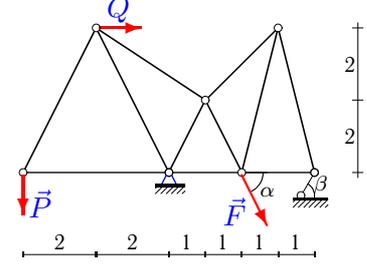
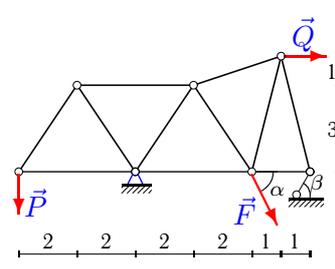
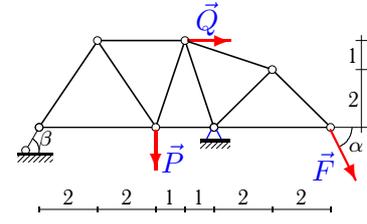
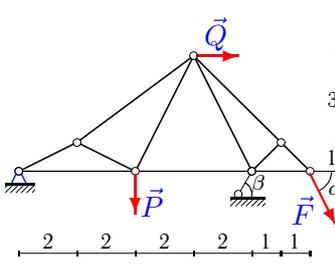
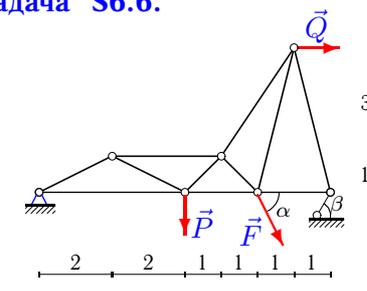
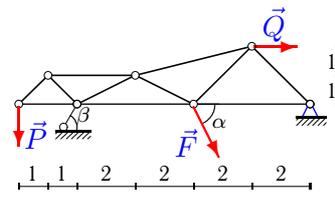
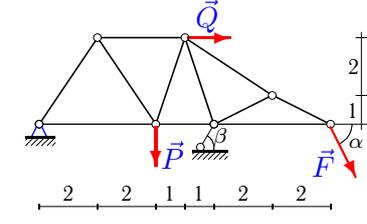
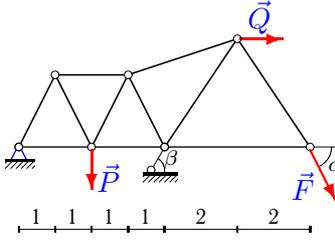
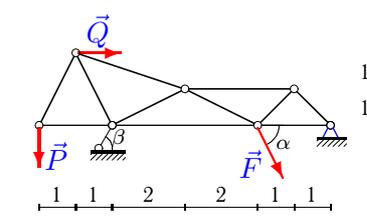


Расчет фермы (треугольная решетка)

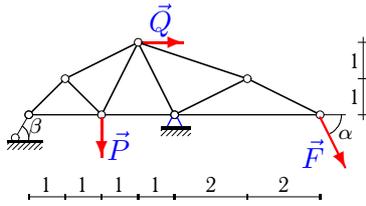
Найти усилия в стержнях плоской фермы. Размеры даны в метрах.

Кирсанов М.Н. **Решебник. Теоретическая механика**/Под ред. А. И. Кириллова. – М.: ФИЗМАТЛИТ, 2008. – 384 с. (с.45.)

<p>Задача S6.1. <i>Басараба Олег</i></p>  <p style="text-align: right;"> $P = 45 \text{ кН},$ $F = 4 \text{ кН},$ $Q = 60 \text{ кН},$ $\alpha = 75^\circ,$ $\beta = 60^\circ.$ </p>	<p>Задача S6.2. <i>Булава Владислав</i></p>  <p style="text-align: right;"> $P = 30 \text{ кН},$ $F = 19 \text{ кН},$ $Q = 10 \text{ кН},$ $\alpha = 60^\circ,$ $\beta = 45^\circ.$ </p>
<p>Задача S6.3. <i>Васильев Игорь</i></p>  <p style="text-align: right;"> $P = 30 \text{ кН},$ $F = 30 \text{ кН},$ $Q = 30 \text{ кН},$ $\alpha = 60^\circ,$ $\beta = 45^\circ.$ </p>	<p>Задача S6.4. <i>Вишняков Арсений</i></p>  <p style="text-align: right;"> $P = 15 \text{ кН},$ $F = 17 \text{ кН},$ $Q = 50 \text{ кН},$ $\alpha = 45^\circ,$ $\beta = 30^\circ.$ </p>
<p>Задача S6.5. <i>Диянов Кирилл</i></p>  <p style="text-align: right;"> $P = 5 \text{ кН},$ $F = 23 \text{ кН},$ $Q = 30 \text{ кН},$ $\alpha = 35^\circ,$ $\beta = 30^\circ.$ </p>	<p>Задача S6.6. <i>Завидный Антон</i></p>  <p style="text-align: right;"> $P = 20 \text{ кН},$ $F = 20 \text{ кН},$ $Q = 10 \text{ кН},$ $\alpha = 50^\circ,$ $\beta = 45^\circ.$ </p>
<p>Задача S6.7. <i>Крнев Александр</i></p>  <p style="text-align: right;"> $P = 10 \text{ кН},$ $F = 15 \text{ кН},$ $Q = 60 \text{ кН},$ $\alpha = 40^\circ,$ $\beta = 30^\circ.$ </p>	<p>Задача S6.8. <i>Леонтьева Ульяна</i></p>  <p style="text-align: right;"> $P = 10 \text{ кН},$ $F = 13 \text{ кН},$ $Q = 50 \text{ кН},$ $\alpha = 40^\circ,$ $\beta = 30^\circ.$ </p>
<p>Задача S6.9. <i>Максименко Антон</i></p>  <p style="text-align: right;"> $P = 35 \text{ кН},$ $F = 11 \text{ кН},$ $Q = 40 \text{ кН},$ $\alpha = 65^\circ,$ $\beta = 45^\circ.$ </p>	<p>Задача S6.10. <i>Минкин Герман</i></p>  <p style="text-align: right;"> $P = 5 \text{ кН},$ $F = 1 \text{ кН},$ $Q = 20 \text{ кН},$ $\alpha = 35^\circ,$ $\beta = 30^\circ.$ </p>

Задача S6.11.

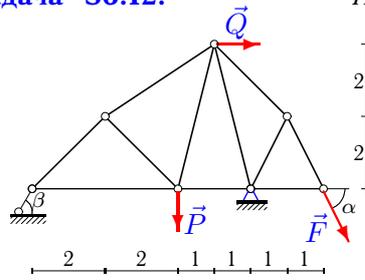
Нестеров Максим



$P = 15$ кН,
 $F = 5$ кН,
 $Q = 40$ кН,
 $\alpha = 45^\circ$,
 $\beta = 30^\circ$.

Задача S6.12.

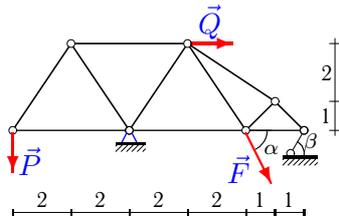
Пархоменко Даниил



$P = 40$ кН,
 $F = 16$ кН,
 $Q = 10$ кН,
 $\alpha = 70^\circ$,
 $\beta = 60^\circ$.

Задача S6.13.

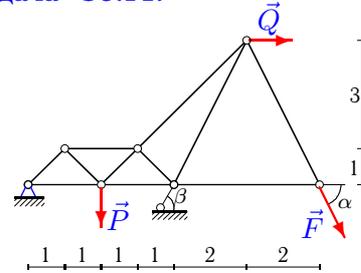
Попов Иван



$P = 40$ кН,
 $F = 3$ кН,
 $Q = 30$ кН,
 $\alpha = 70^\circ$,
 $\beta = 60^\circ$.

Задача S6.14.

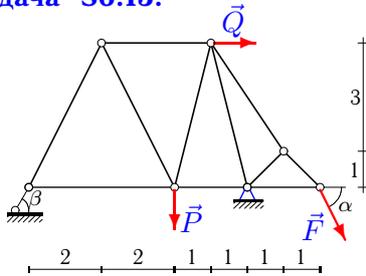
Руднев Никита



$P = 5$ кН,
 $F = 12$ кН,
 $Q = 40$ кН,
 $\alpha = 35^\circ$,
 $\beta = 30^\circ$.

Задача S6.15.

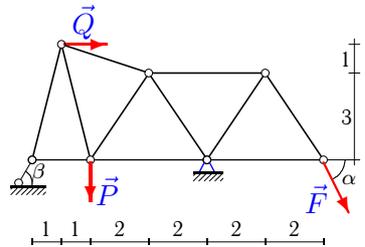
Спамбетов Павел



$P = 25$ кН,
 $F = 11$ кН,
 $Q = 10$ кН,
 $\alpha = 55^\circ$,
 $\beta = 45^\circ$.

Задача S6.16.

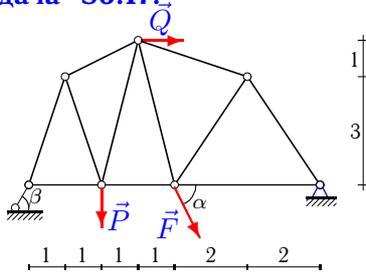
Харизин Роман



$P = 5$ кН,
 $F = 12$ кН,
 $Q = 60$ кН,
 $\alpha = 35^\circ$,
 $\beta = 30^\circ$.

Задача S6.17.

Самохин Иван



$P = 40$ кН,
 $F = 29$ кН,
 $Q = 40$ кН,
 $\alpha = 70^\circ$,
 $\beta = 60^\circ$.