

Subject: mechanics of materials

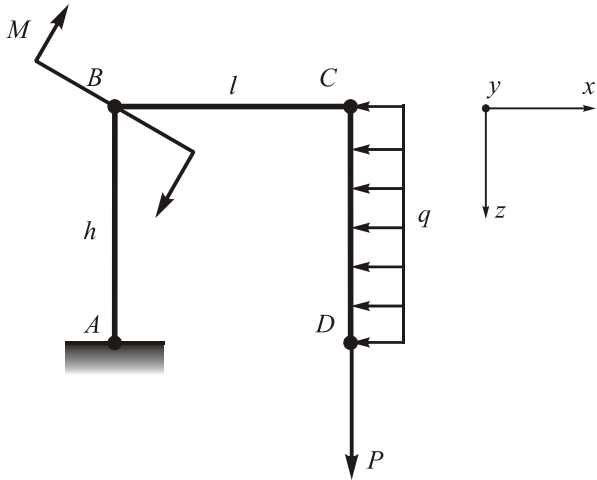
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 1

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

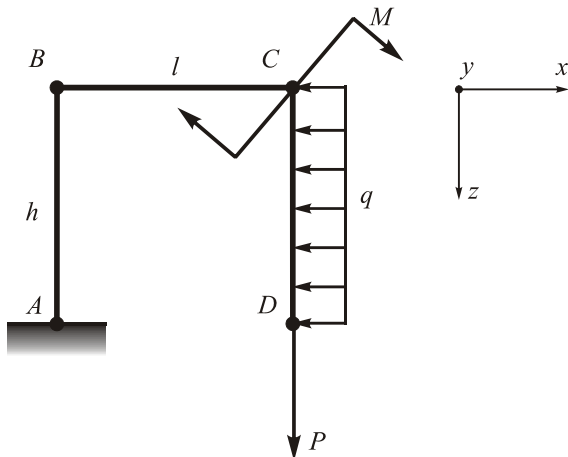
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 3

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Mark:

Subject: mechanics of materials

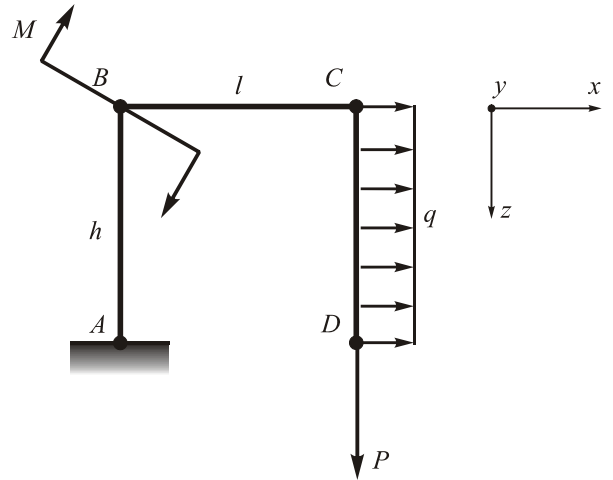
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 2

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

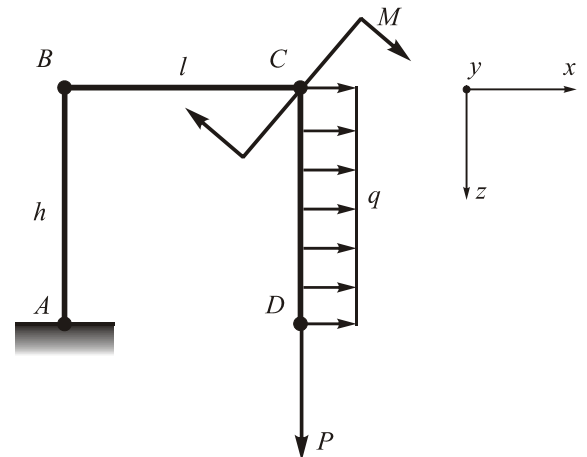
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 4

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Mark:

Subject: mechanics of materials

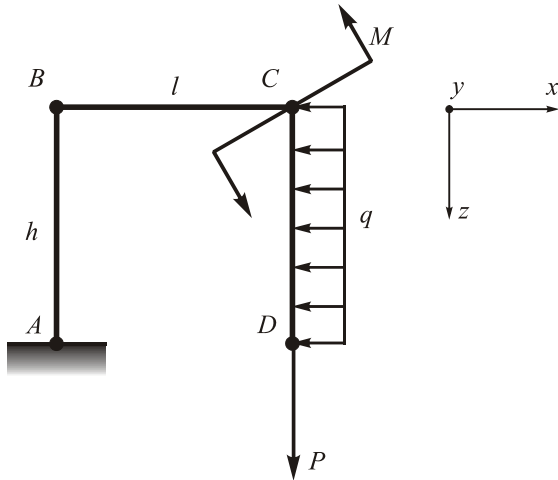
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 5

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

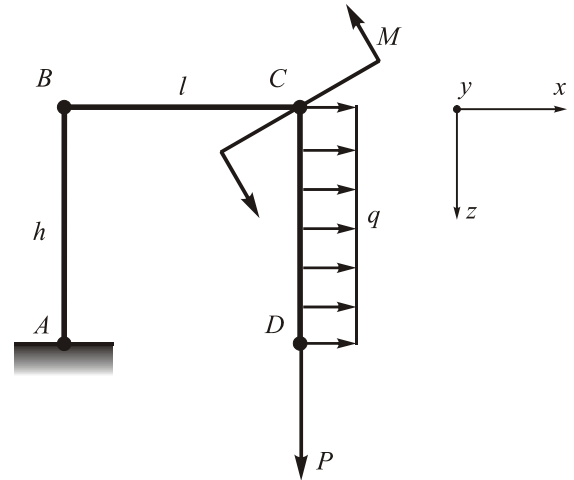
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 6

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

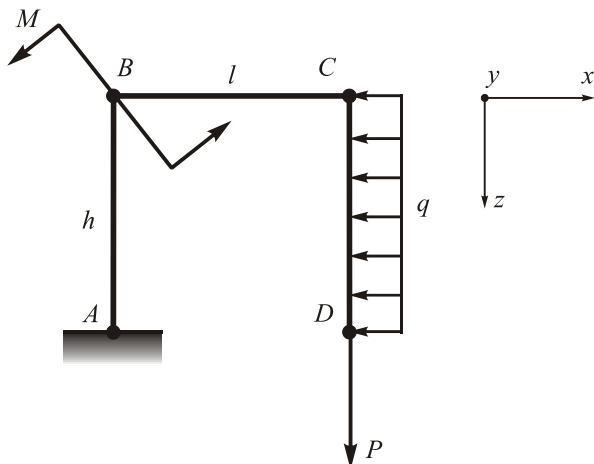
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 7

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

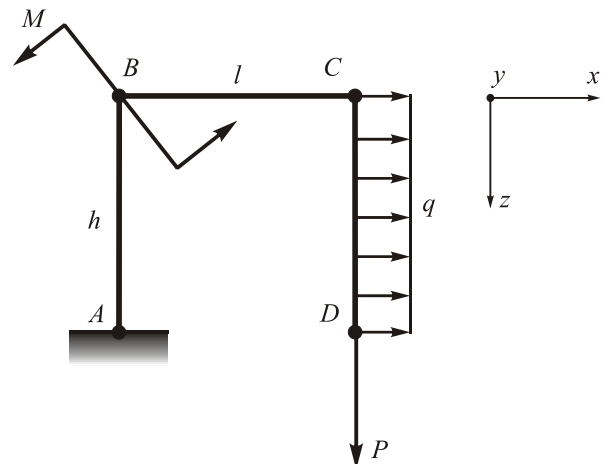
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 8

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

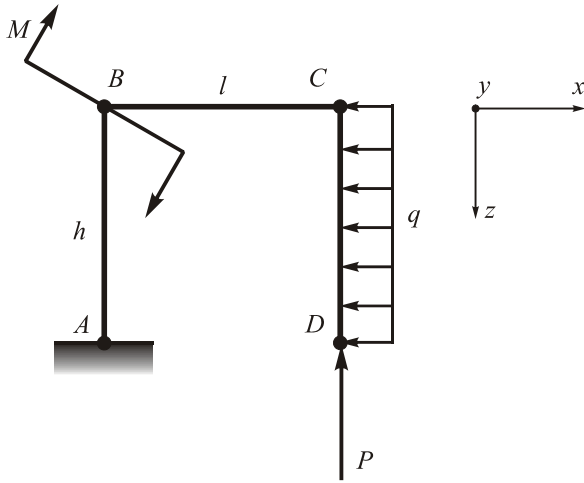
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 9

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Mark:

Subject: mechanics of materials

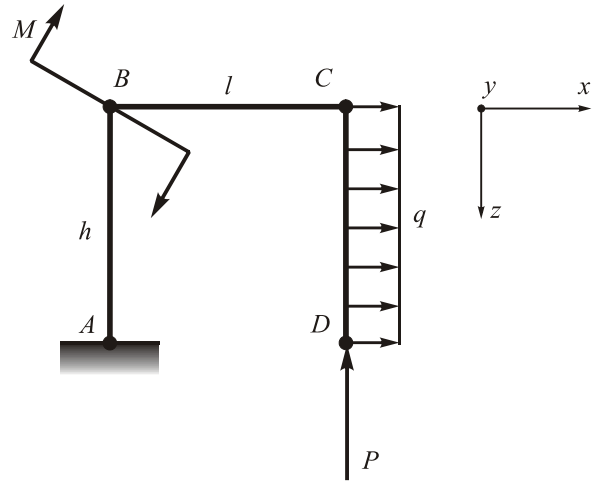
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 10

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Subject: mechanics of materials

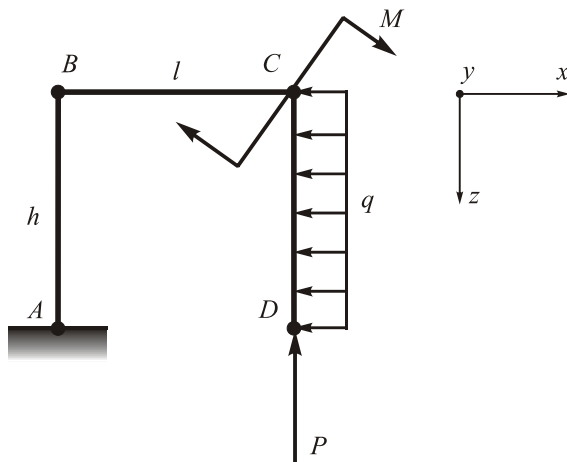
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 11

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

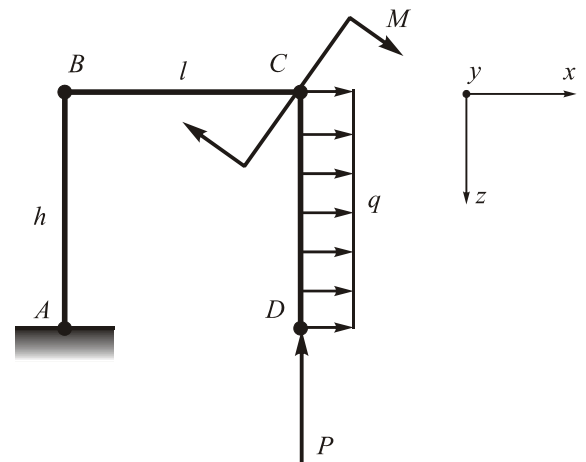
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 12

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

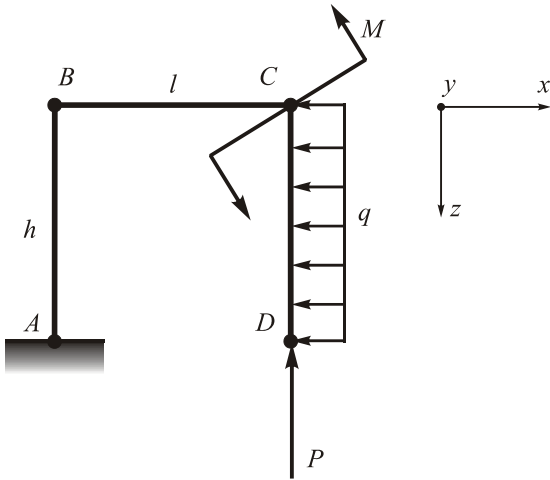
Full name of the lecturer

signature

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 13 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

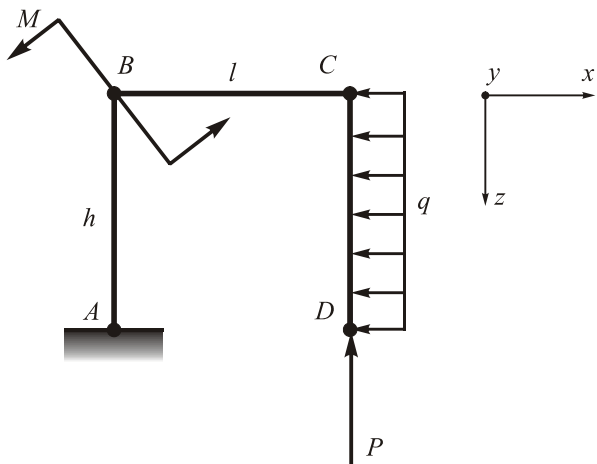
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 15 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

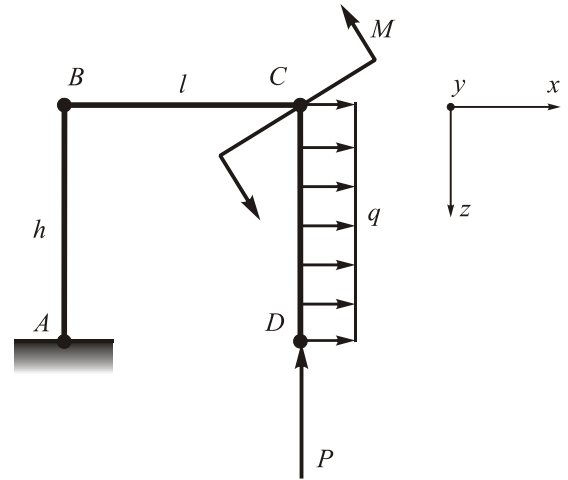
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 14 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

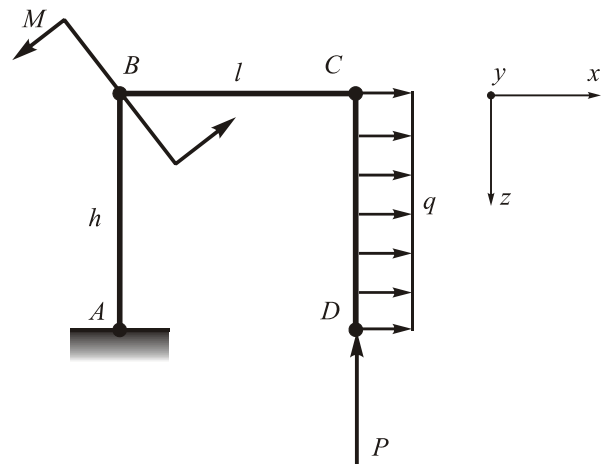
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 16 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials

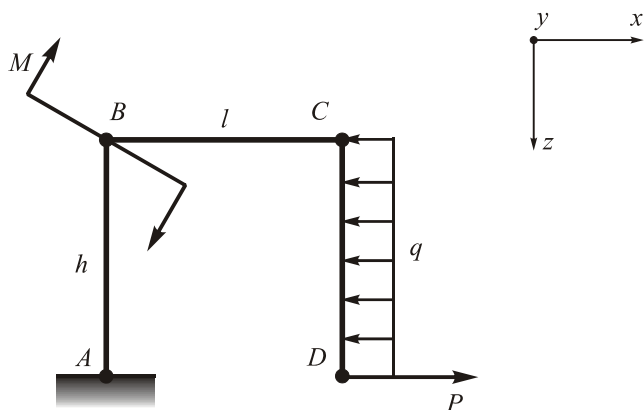
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 17

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

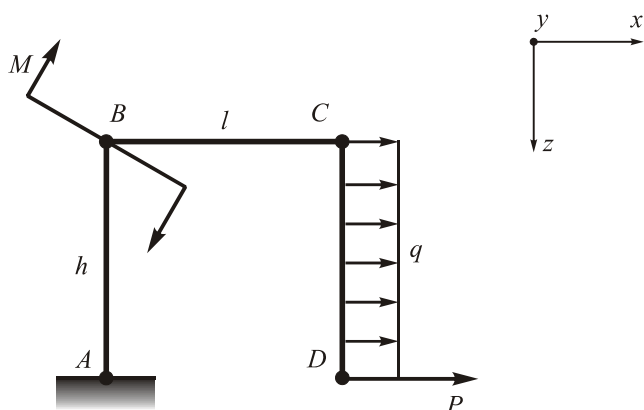
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 19

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

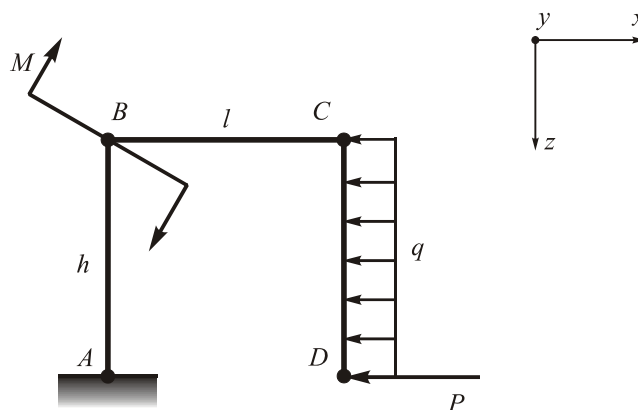
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 18

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

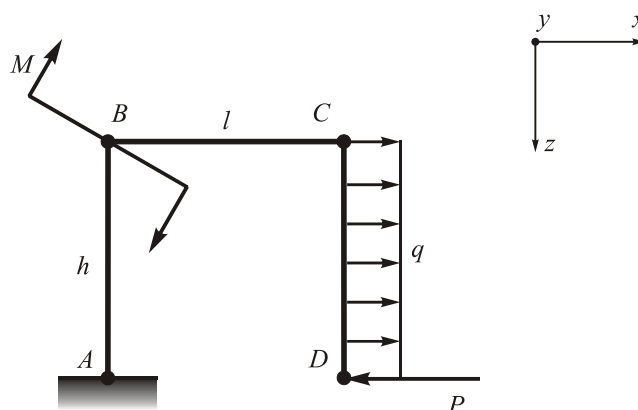
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 20

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Subject: mechanics of materials

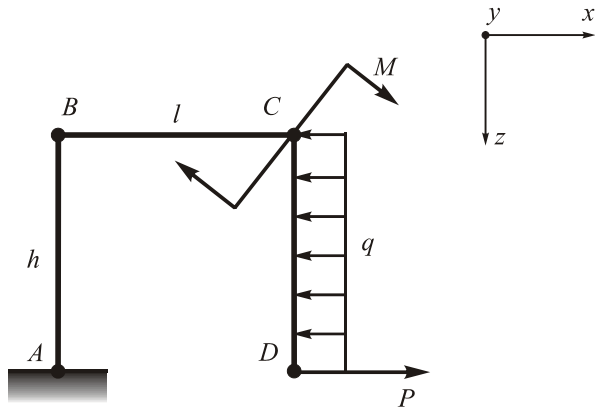
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 21

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Subject: mechanics of materials

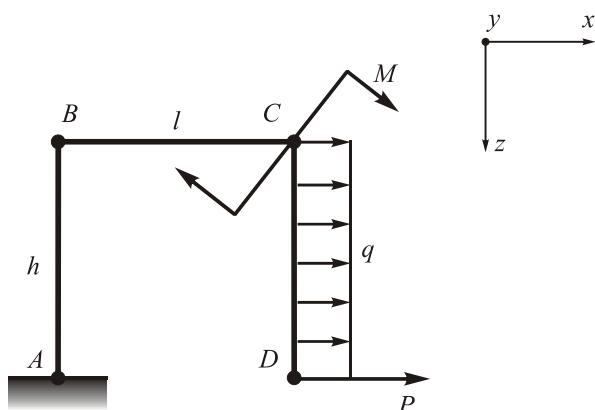
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 23

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Subject: mechanics of materials

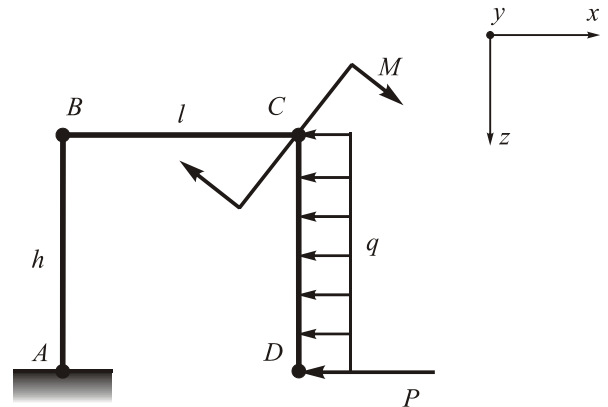
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 22

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Subject: mechanics of materials

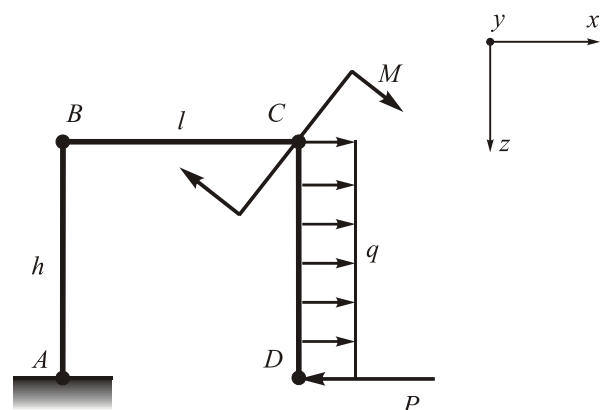
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 24

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Mark:

Subject: mechanics of materials

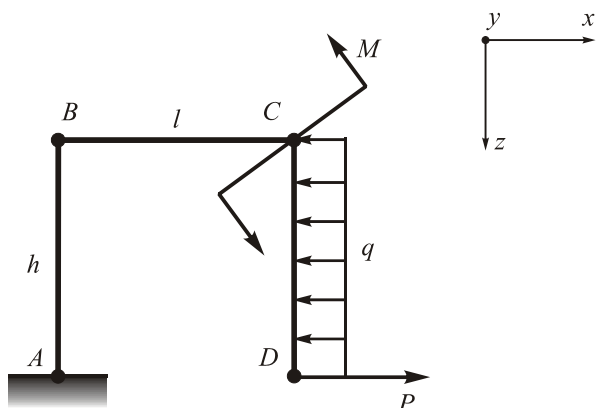
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 25

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

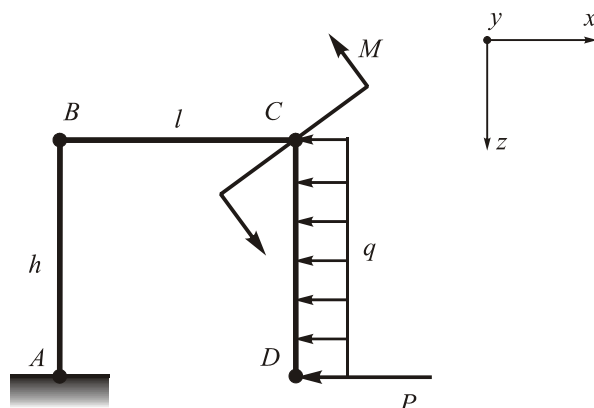
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 26

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

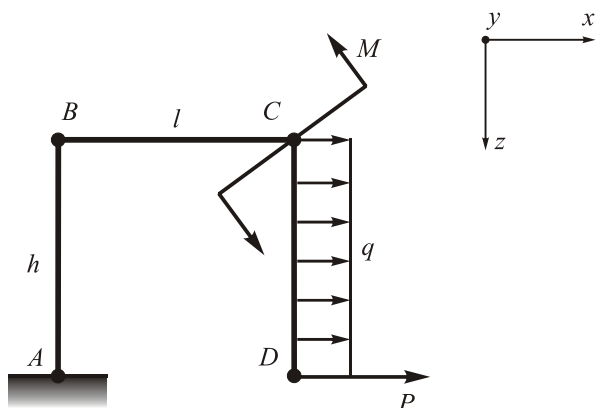
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 27

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

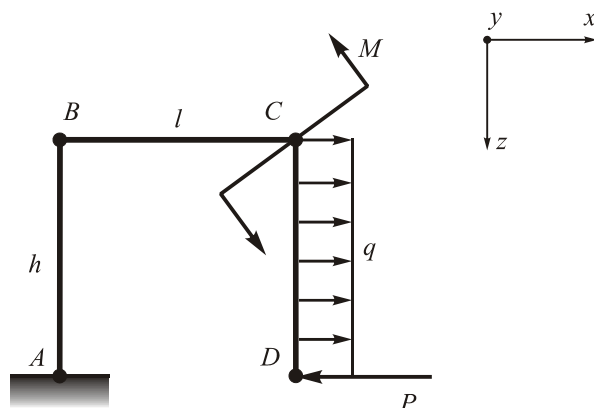
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 28

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

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Subject: mechanics of materials

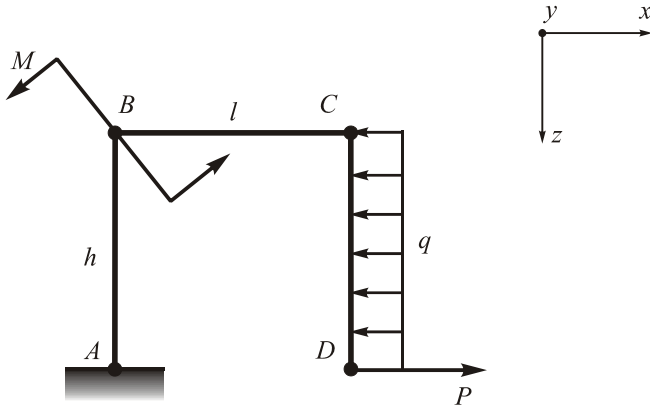
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 29

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Subject: mechanics of materials

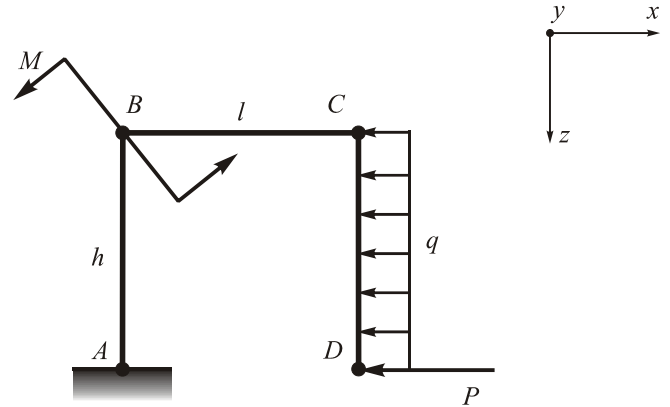
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 30

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

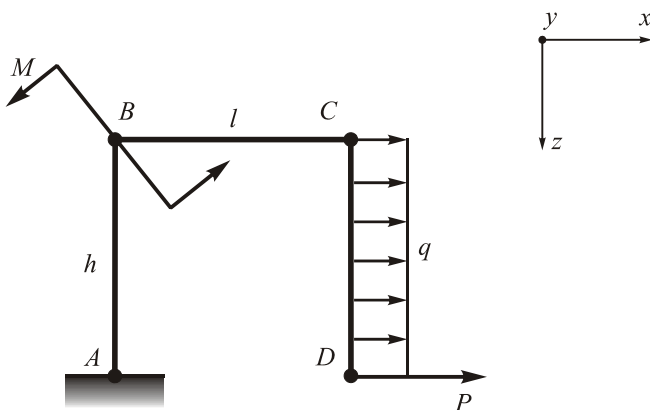
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 31

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

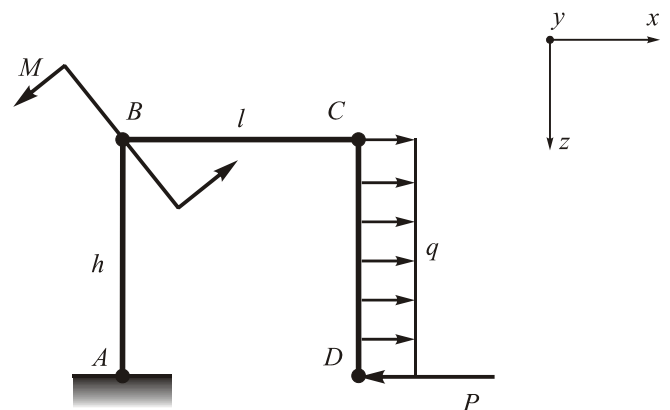
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 32

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

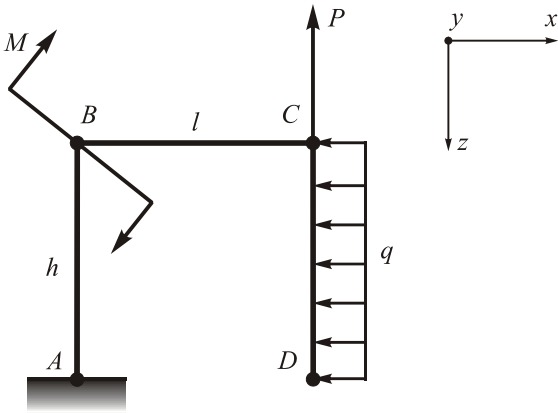
Full name of the lecturer

signature

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 33 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

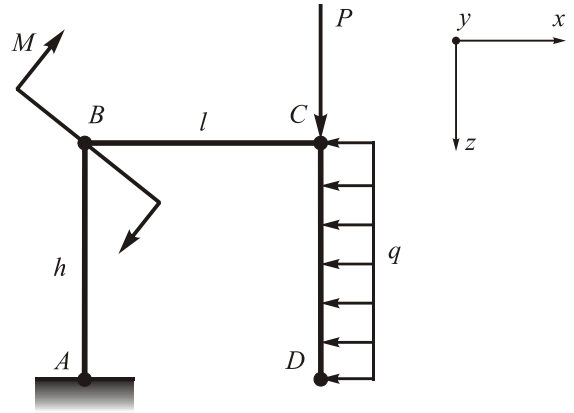
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 34 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

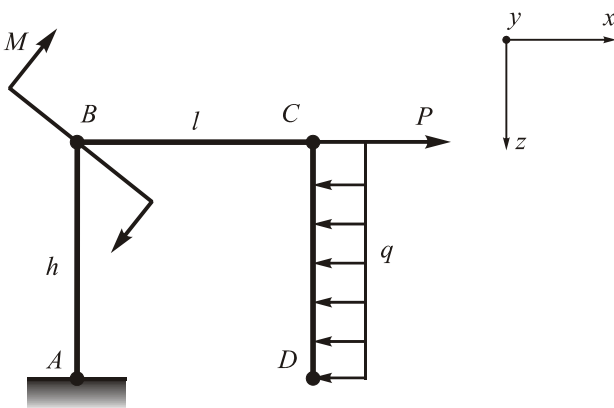
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 35 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

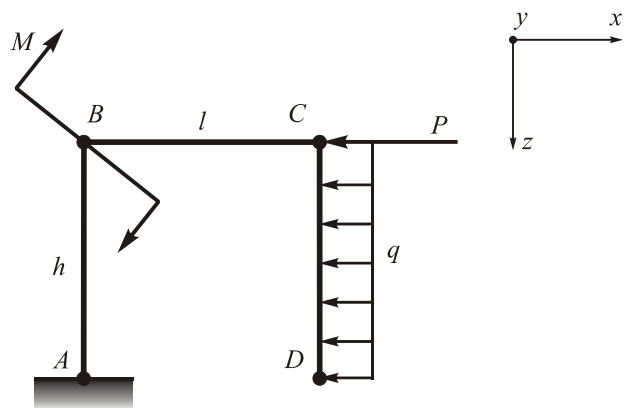
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 36 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials

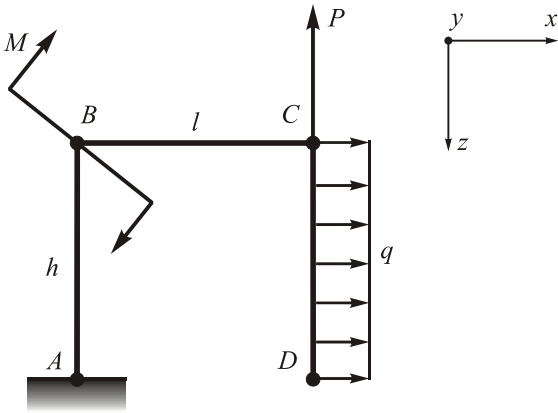
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 37

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

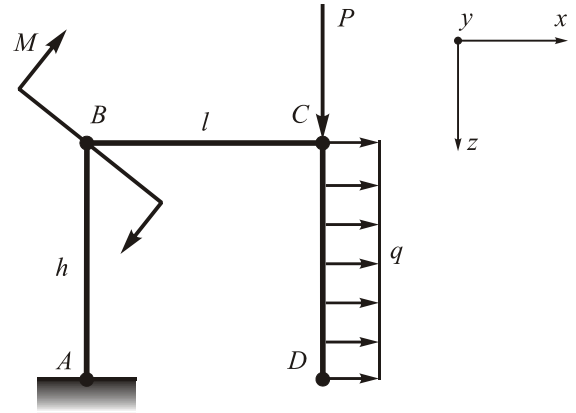
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 38

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

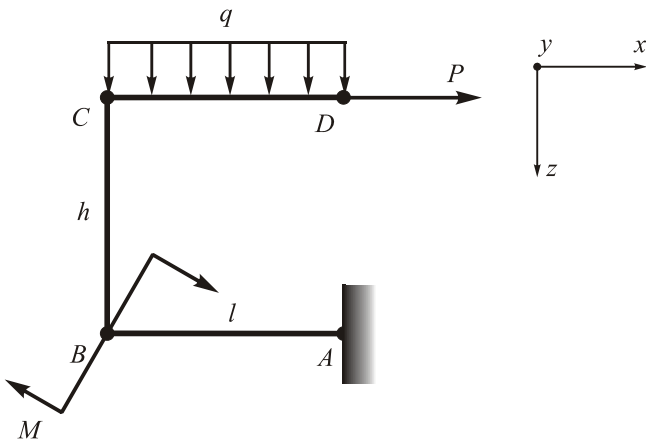
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 39

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

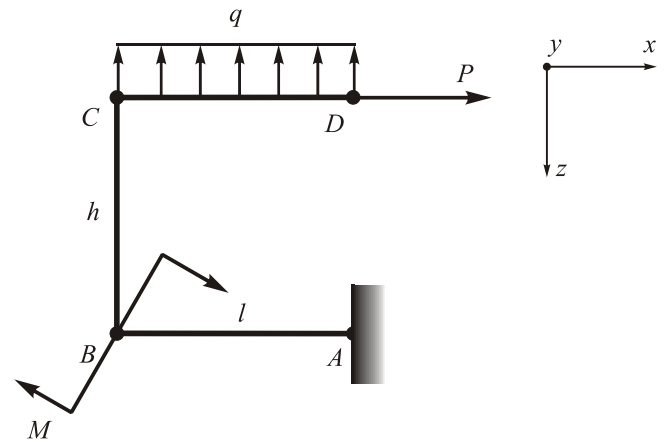
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 40

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

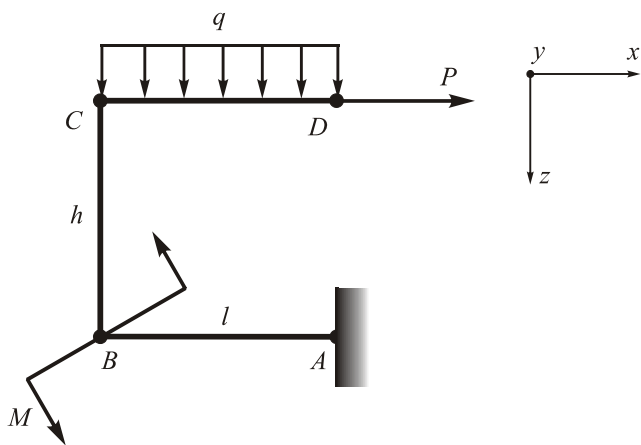
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 41

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

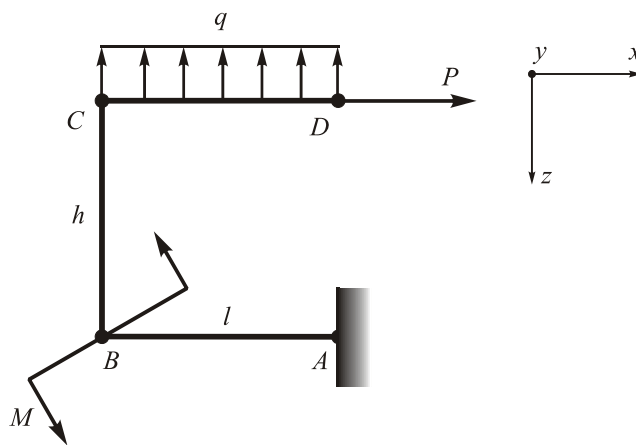
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 42

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

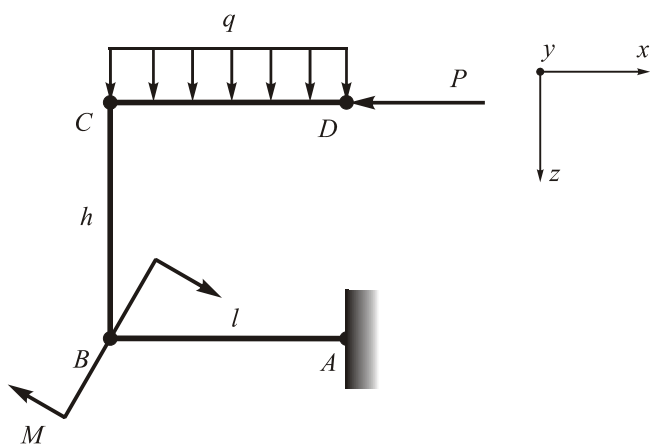
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 43

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

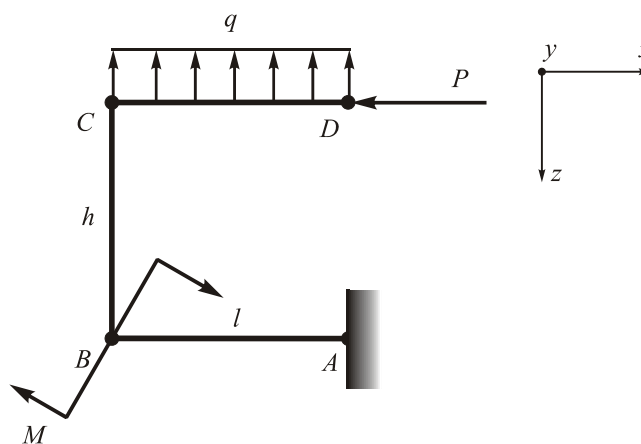
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 44

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

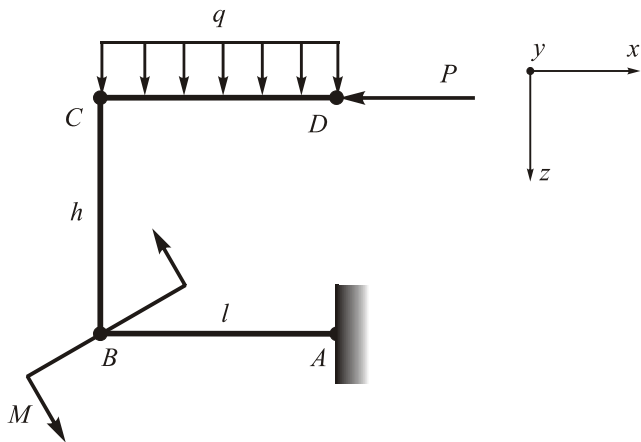
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 45

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

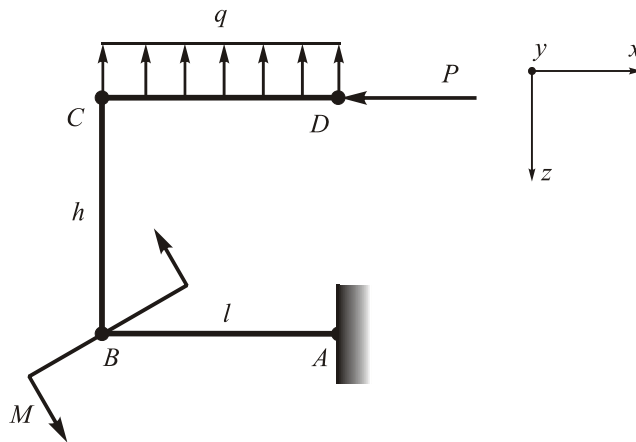
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 46

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

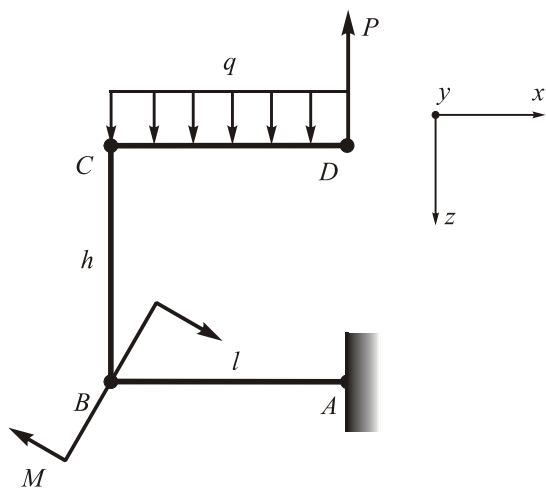
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 47

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

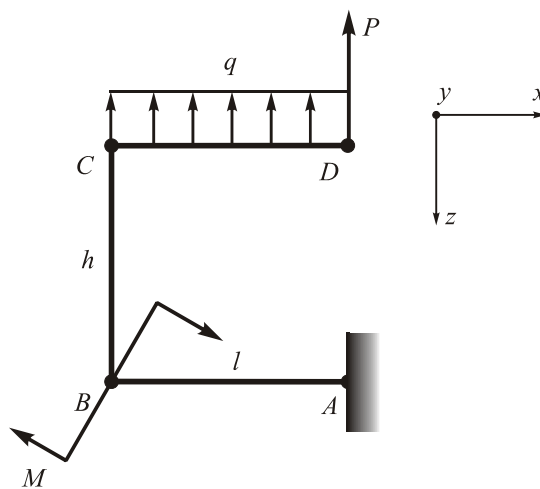
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 48

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

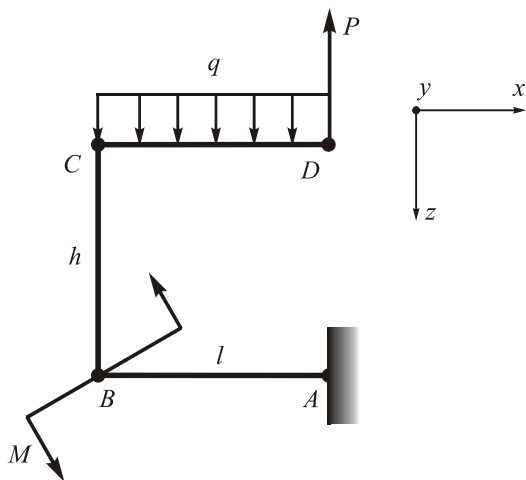
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 49

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

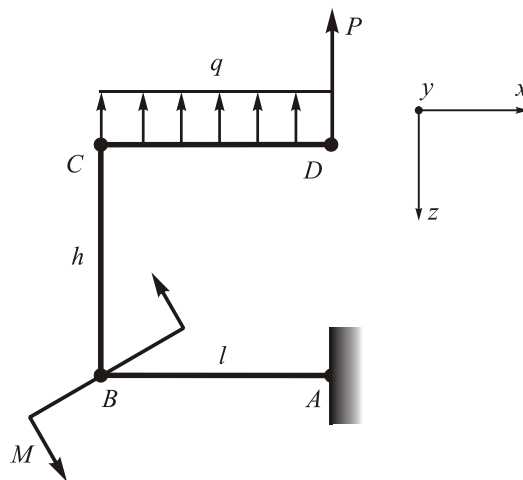
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 50

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

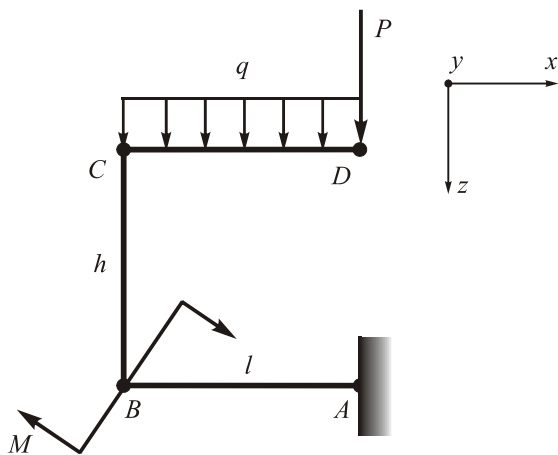
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 51

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

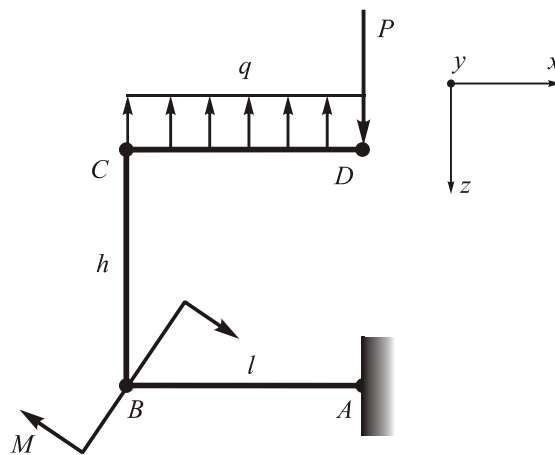
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 52

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

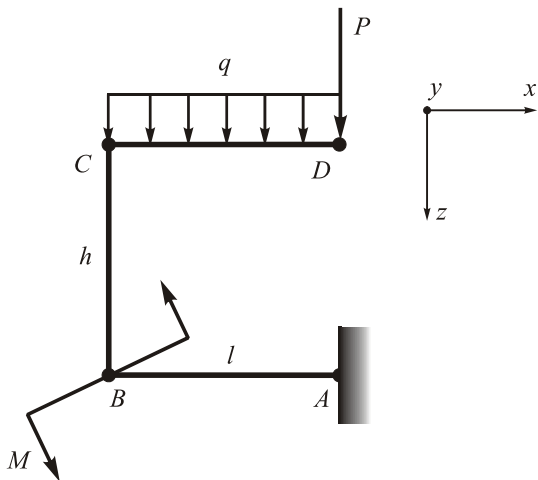
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 53

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

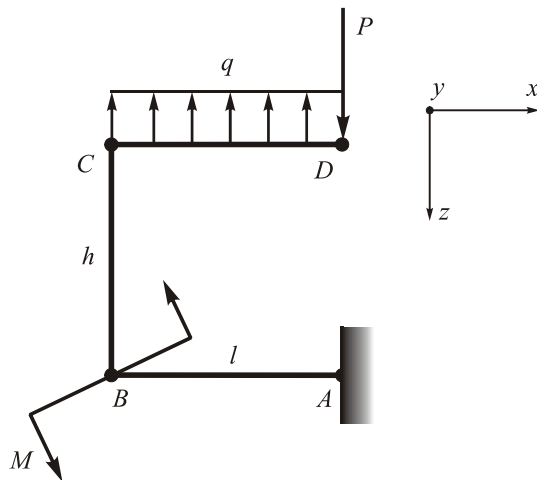
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 54

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

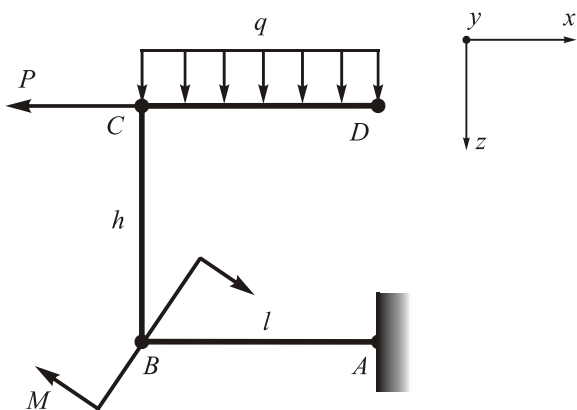
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 55

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

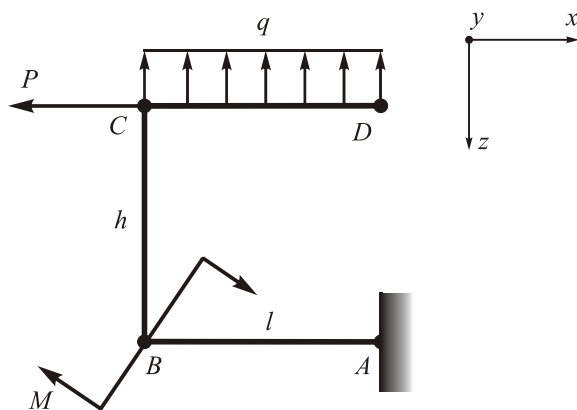
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 56

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

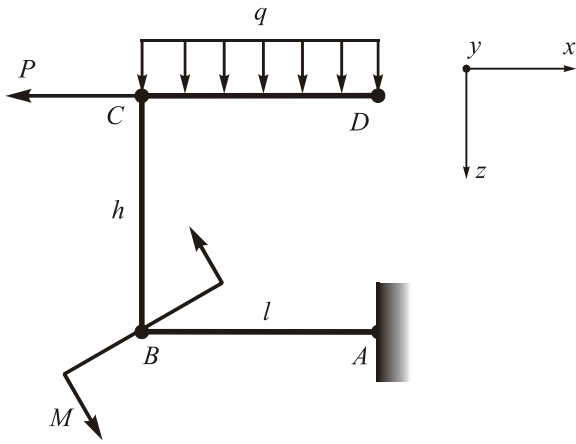
Full name of the lecturer

signature

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 57 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

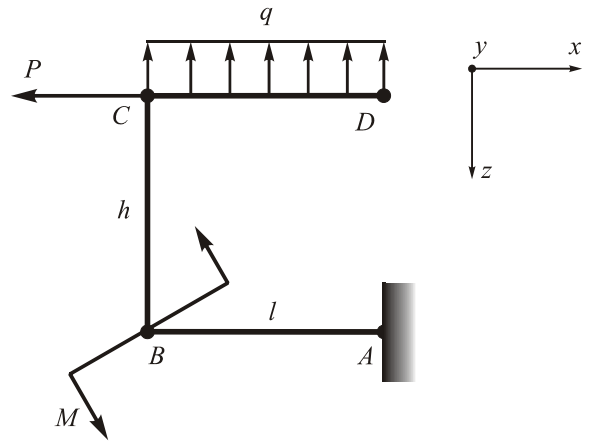
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 58 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

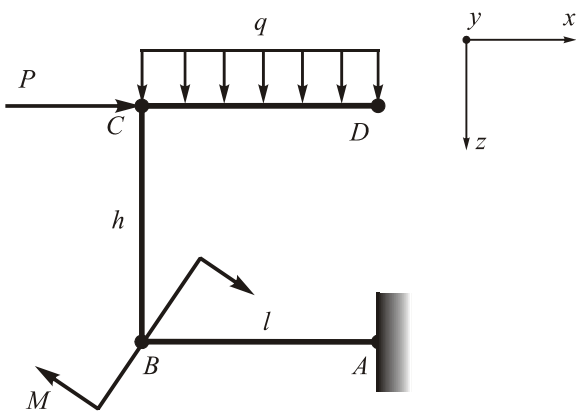
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 59 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

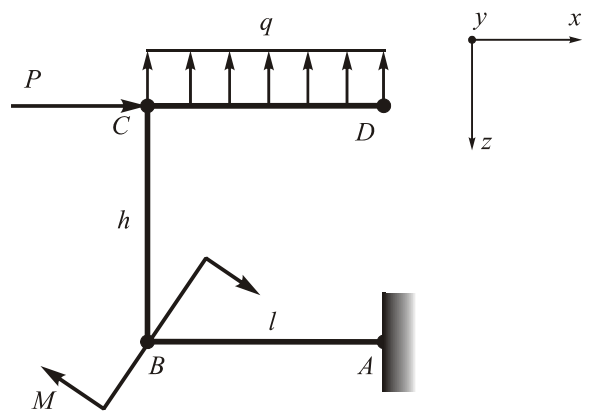
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 60 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials

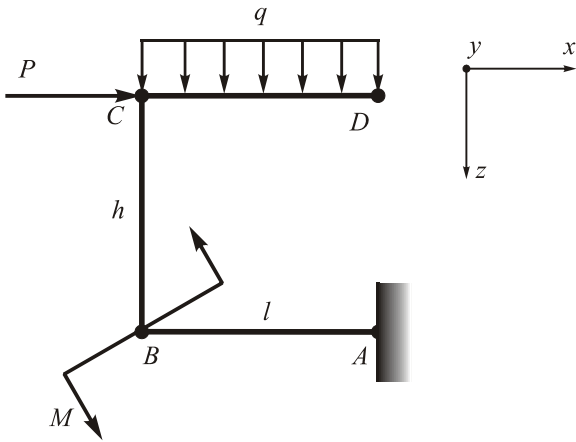
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 61

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

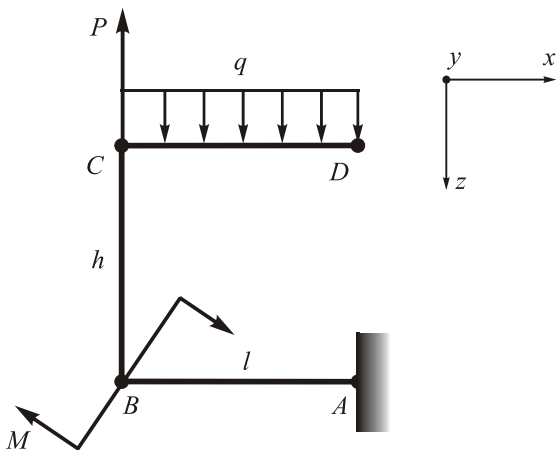
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 63

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

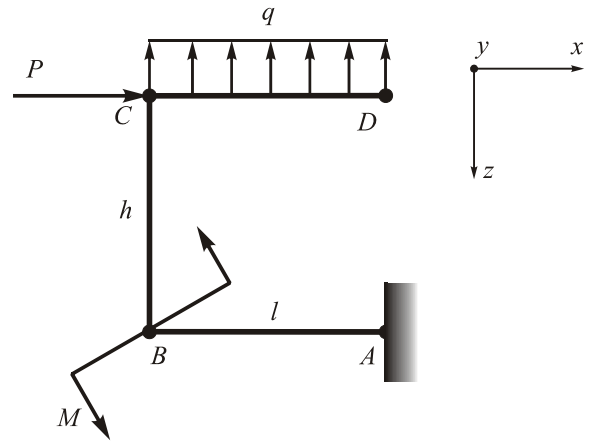
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 62

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

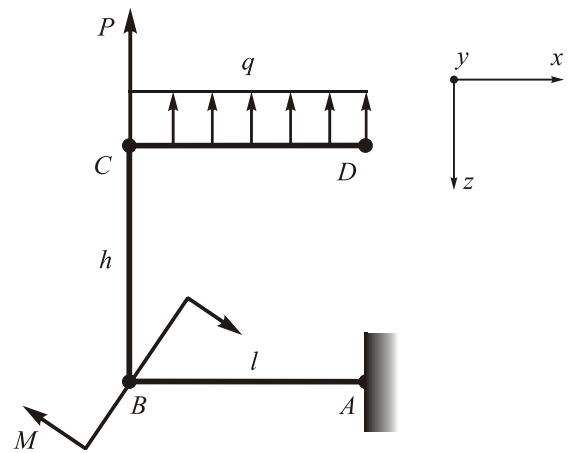
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 64

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

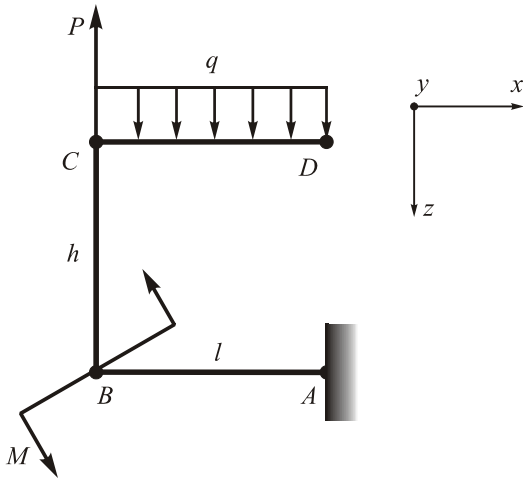
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 65

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

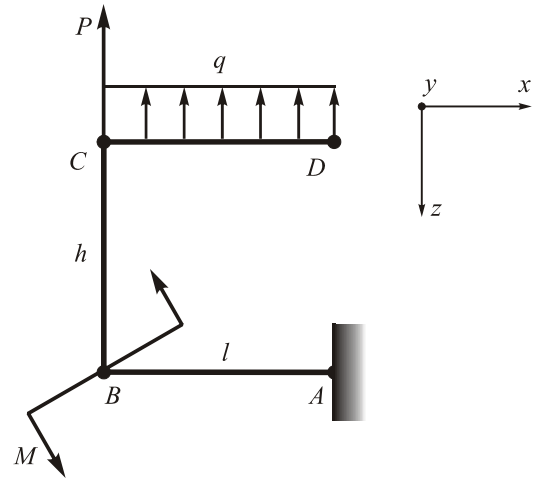
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 66

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

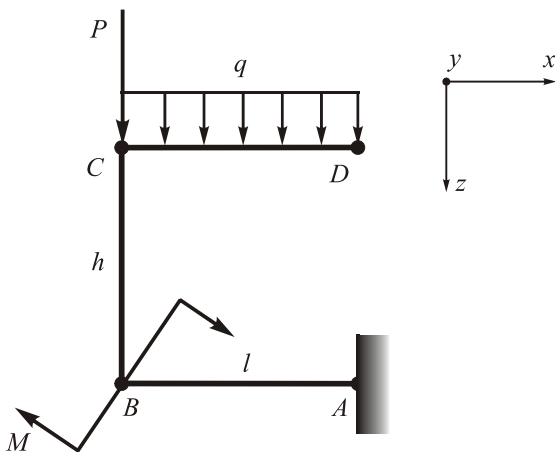
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 67

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

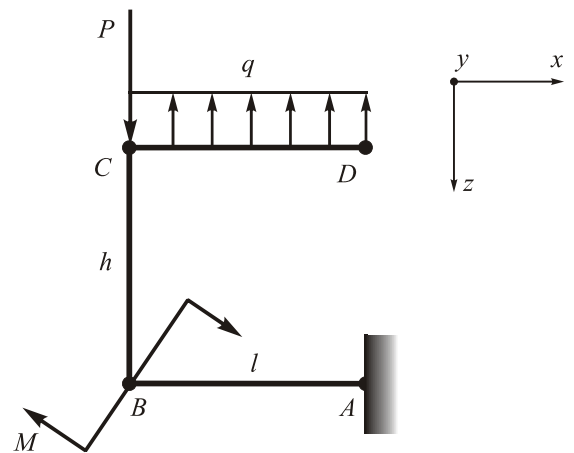
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 68

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

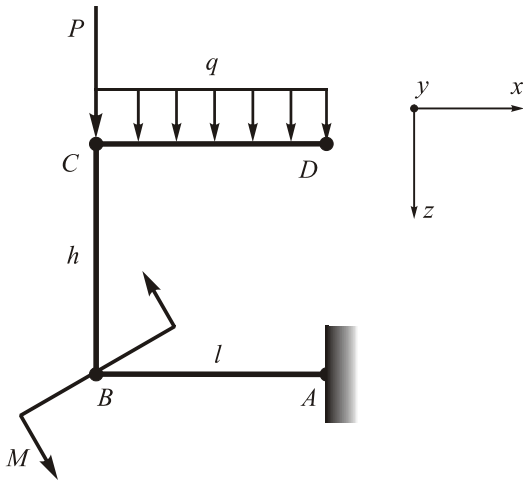
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 69

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

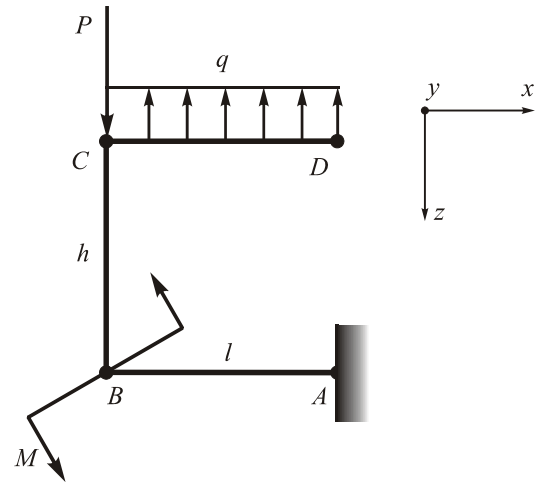
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 70

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

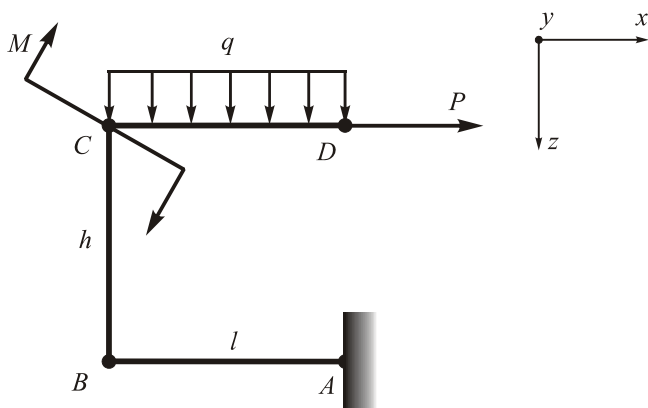
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 71

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

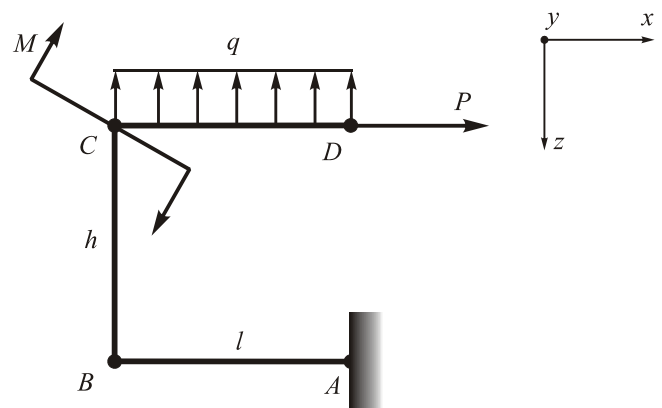
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 72

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

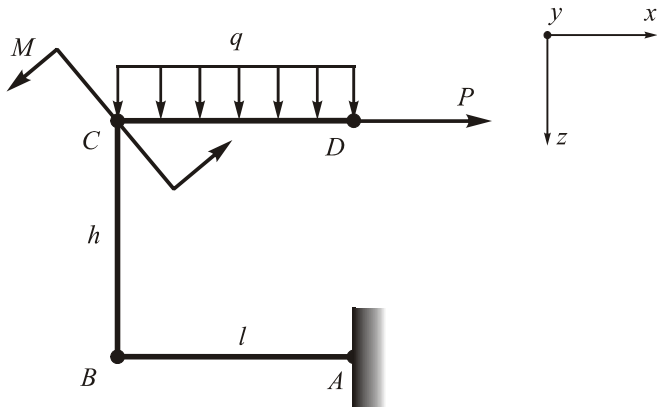
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 73

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

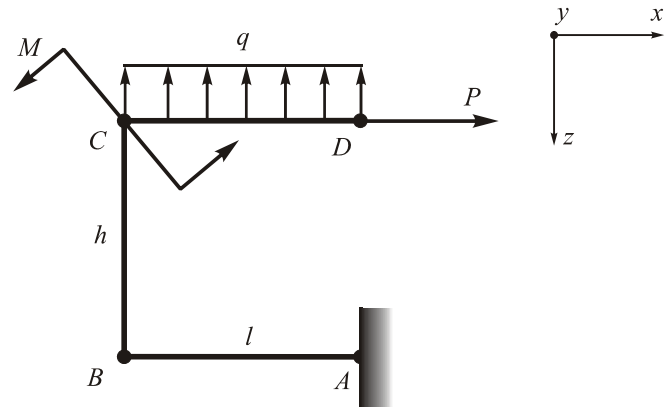
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 74

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

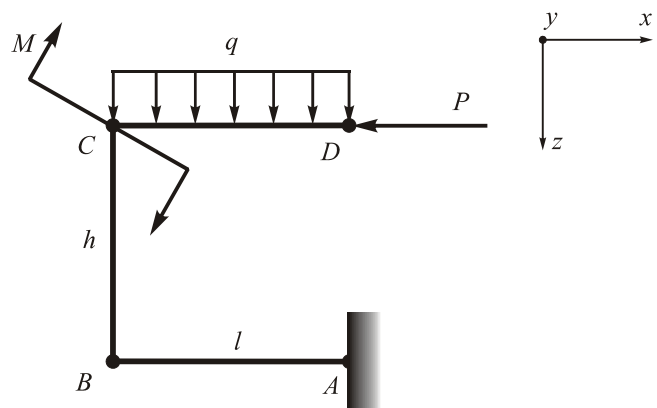
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 75

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

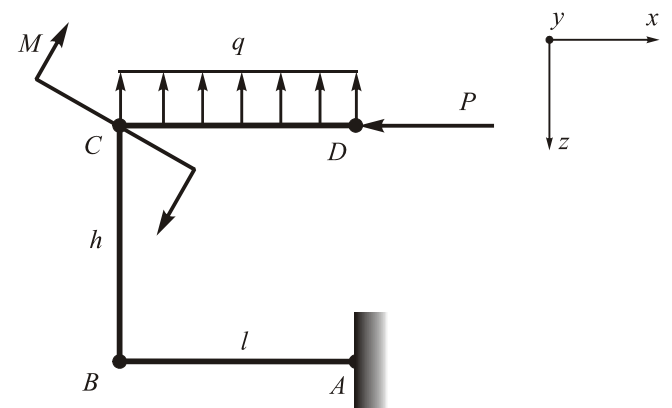
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 76

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

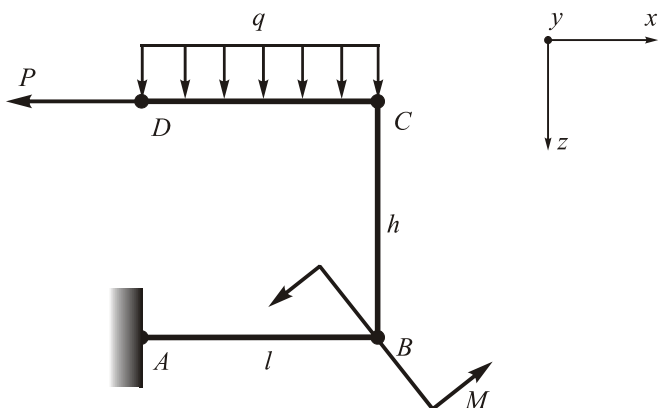
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 77

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

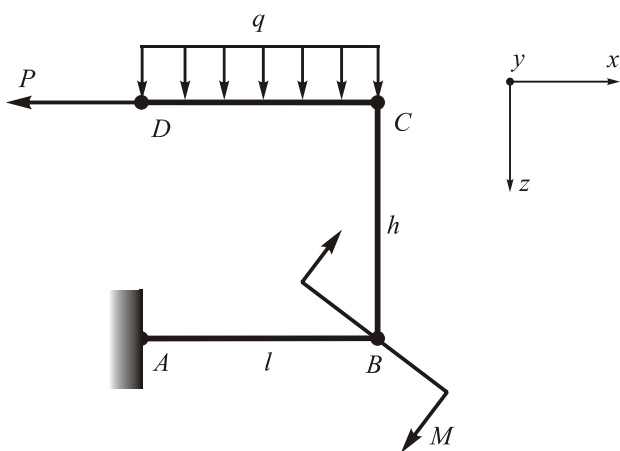
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 79

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

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Subject: mechanics of materials

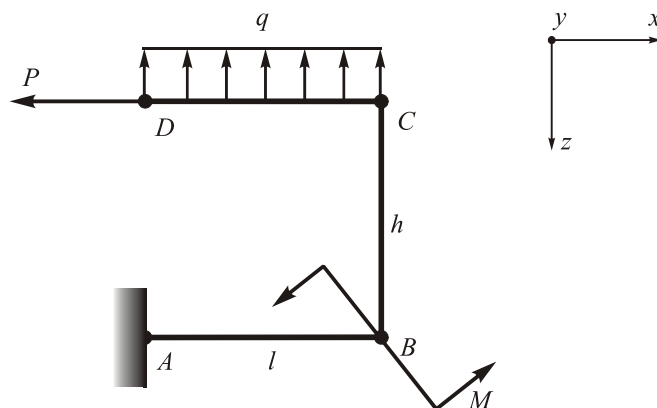
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 78

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

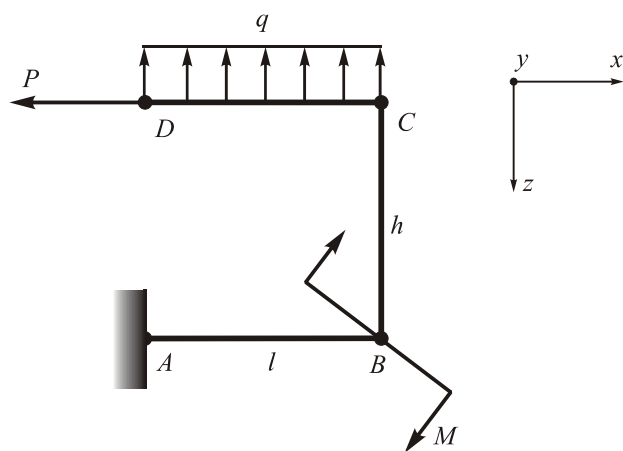
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 80

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

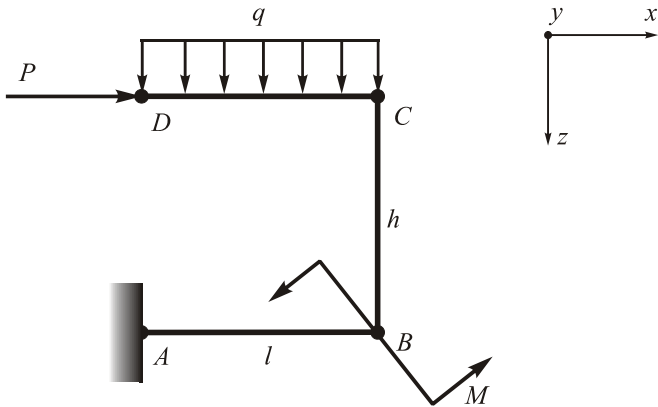
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 81

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

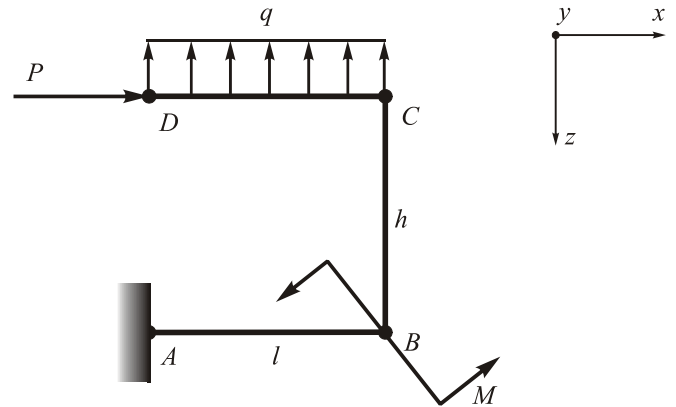
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 82

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

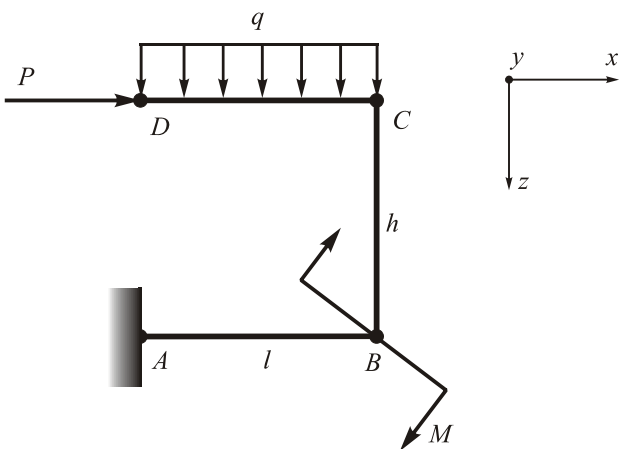
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 83

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

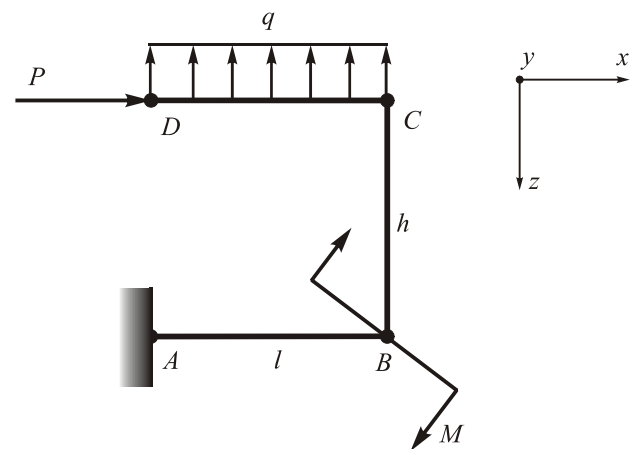
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 84

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

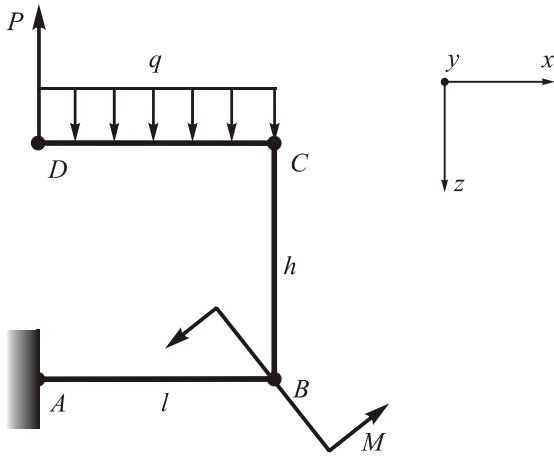
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 85

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

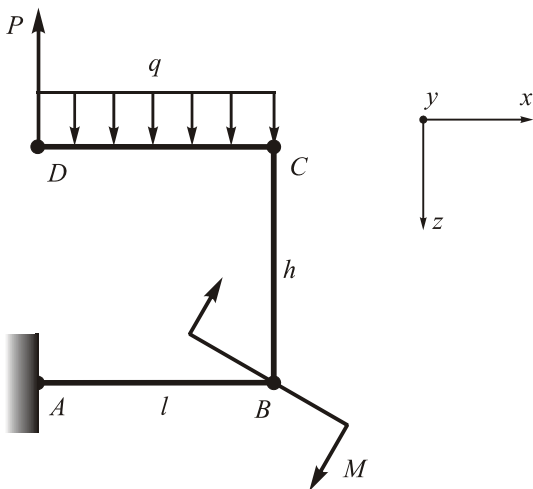
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 87

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

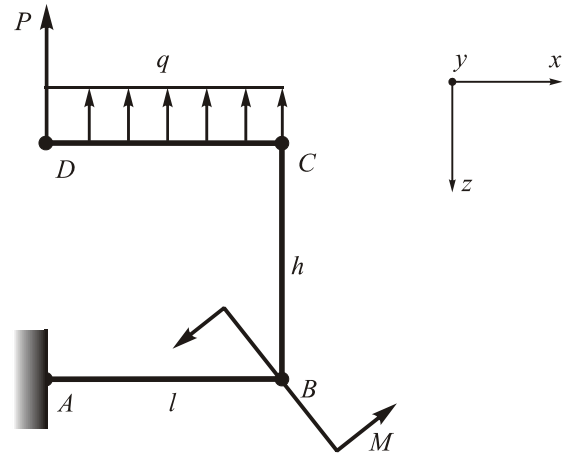
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 86

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

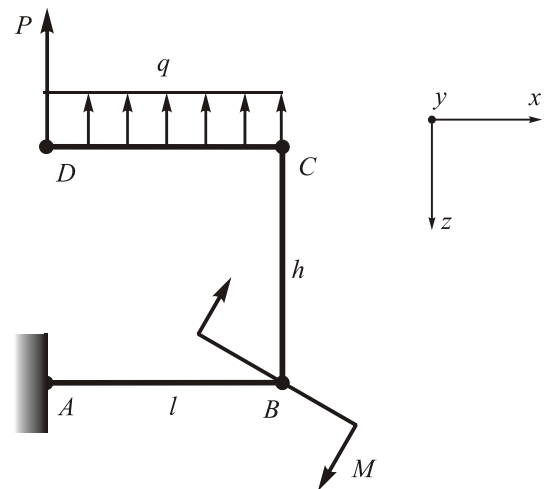
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 88

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

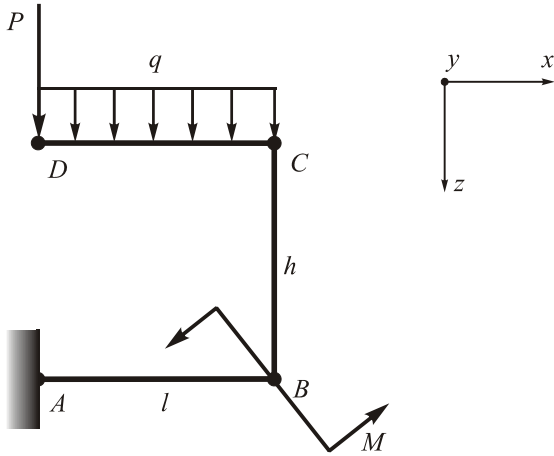
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 89

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

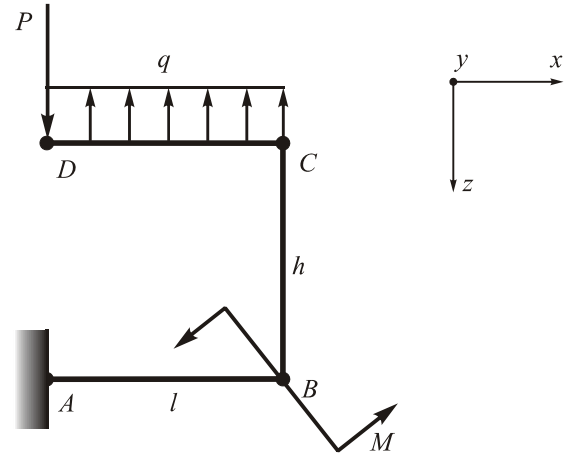
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 90

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

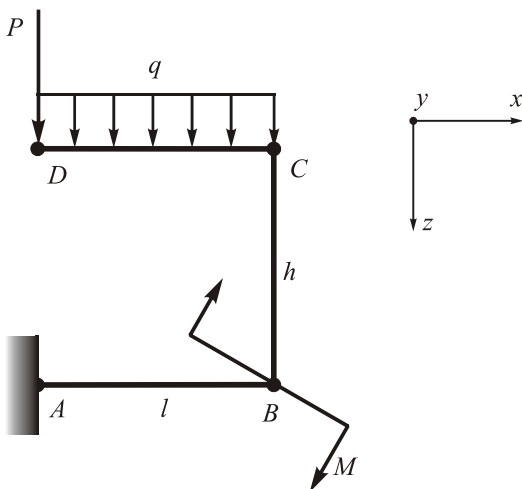
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 91

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

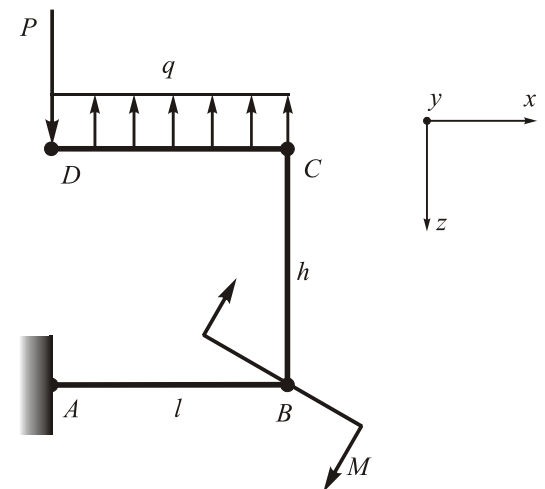
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 92

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

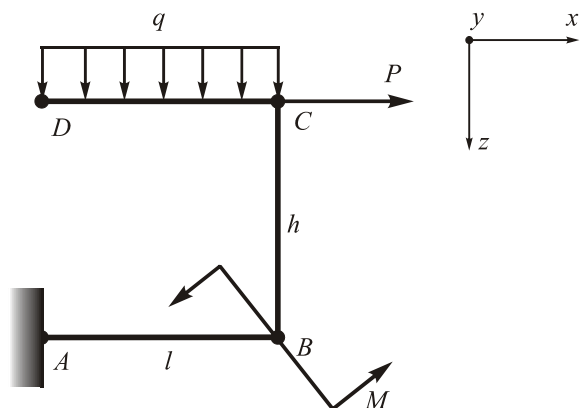
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 93

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

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Subject: mechanics of materials

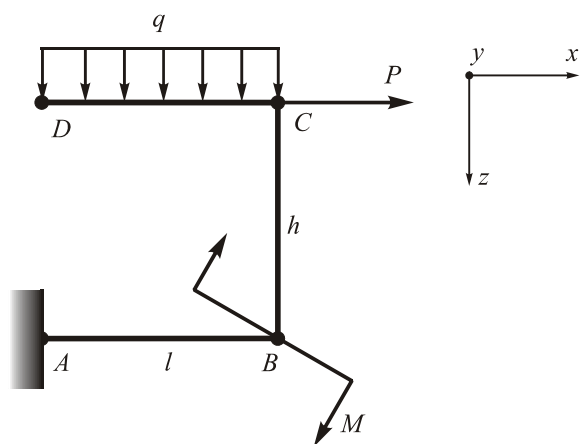
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 95

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

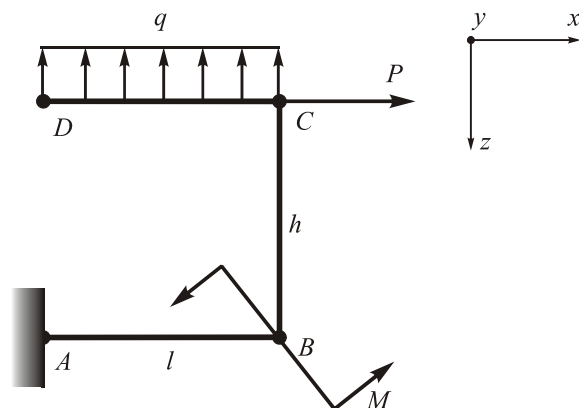
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 94

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

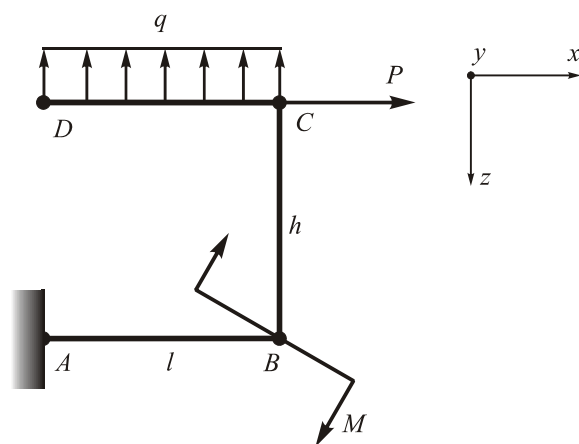
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 96

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

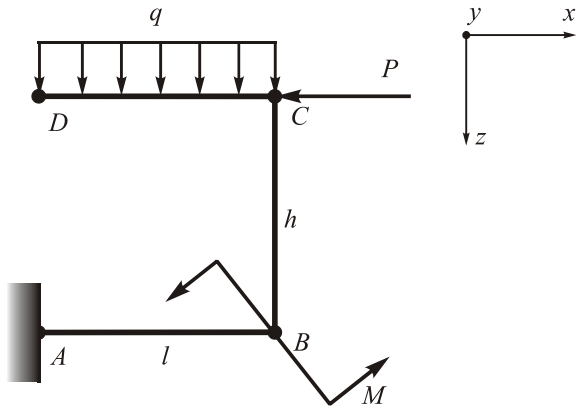
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 97

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

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Mark:

Subject: mechanics of materials

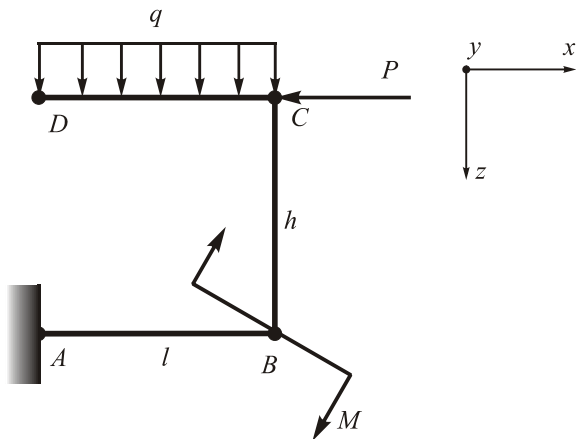
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 99

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

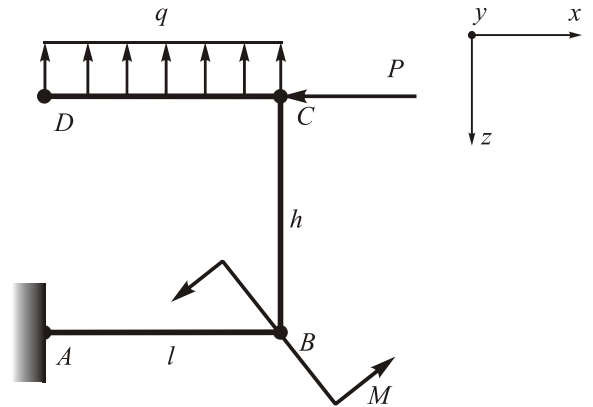
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 98

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

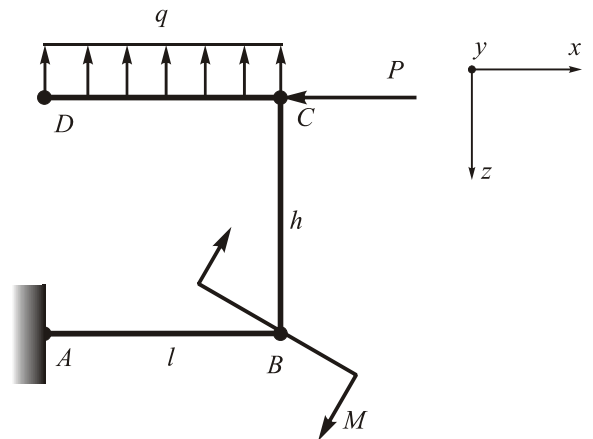
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 100

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

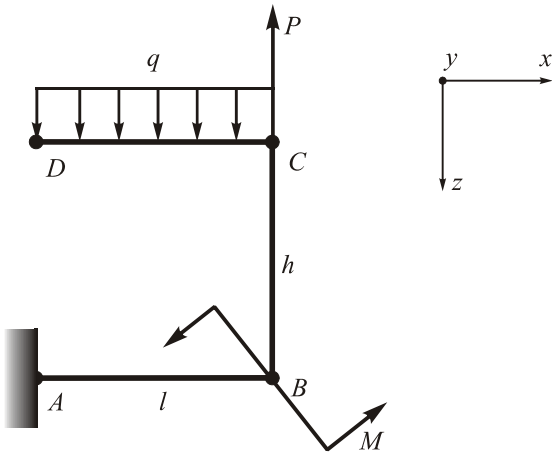
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 101

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

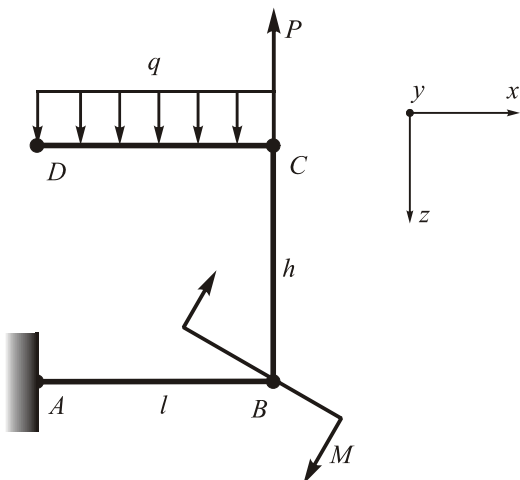
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 103

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

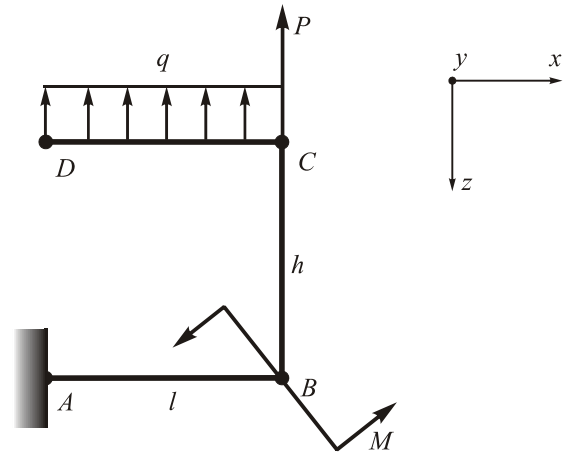
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 102

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

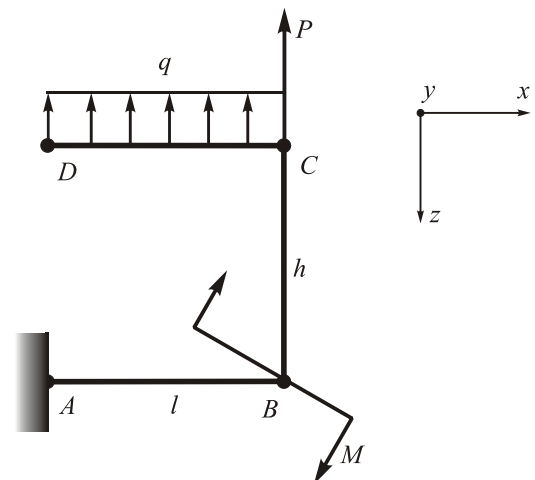
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 104

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

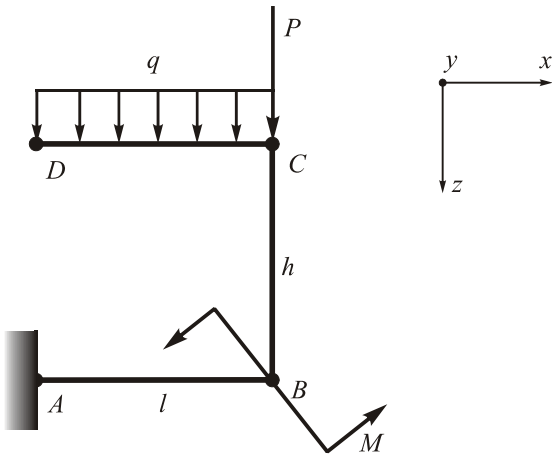
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 105

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

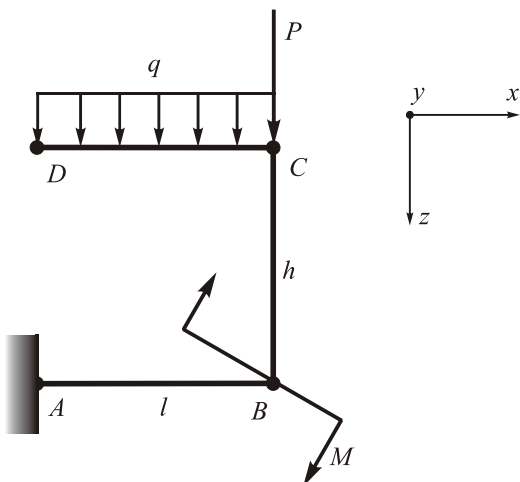
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 107

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

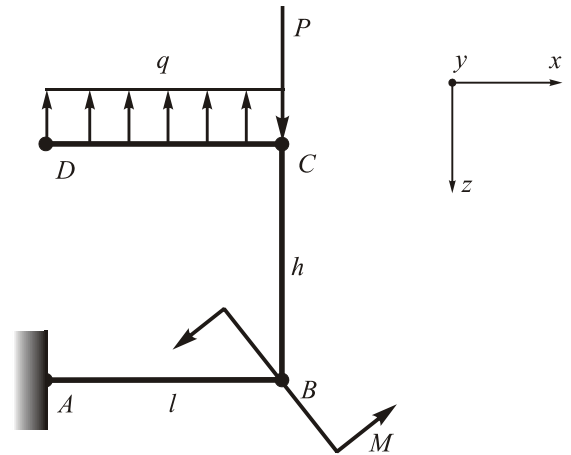
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 106

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

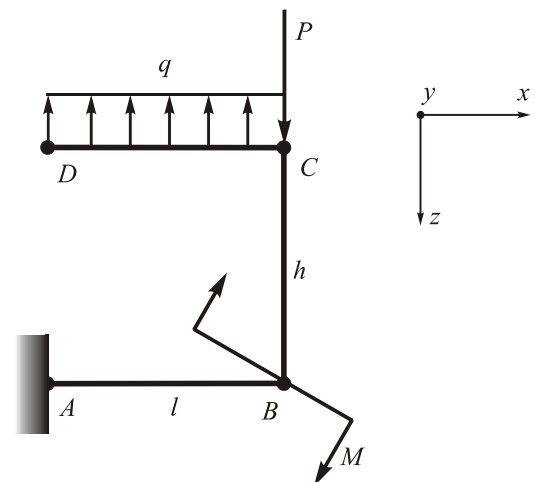
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 108

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

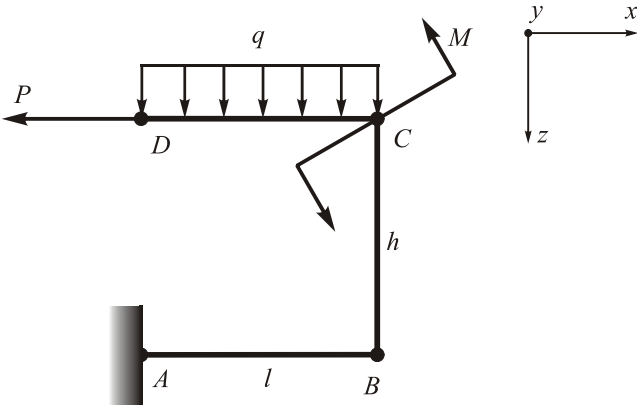
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 109

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

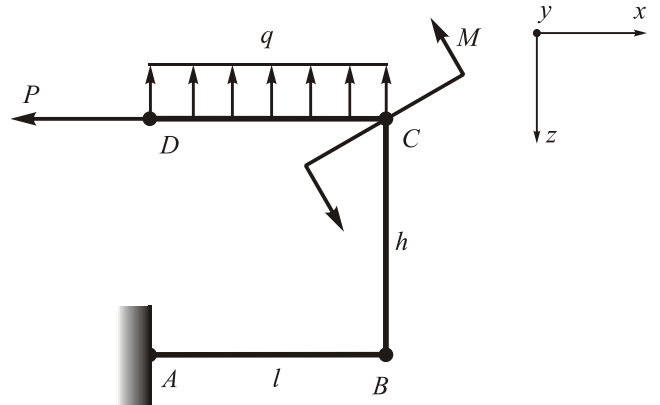
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 110

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

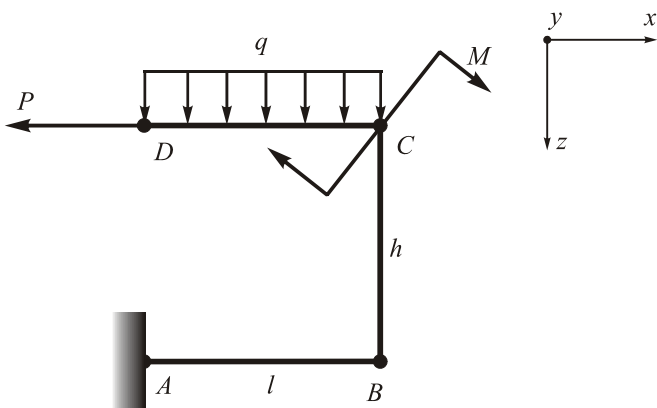
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 111

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

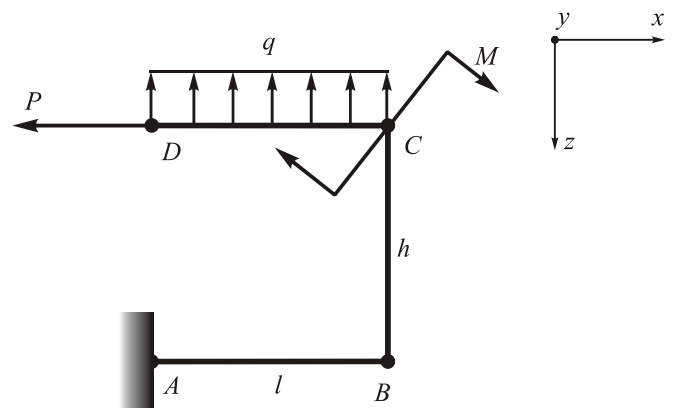
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 112

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

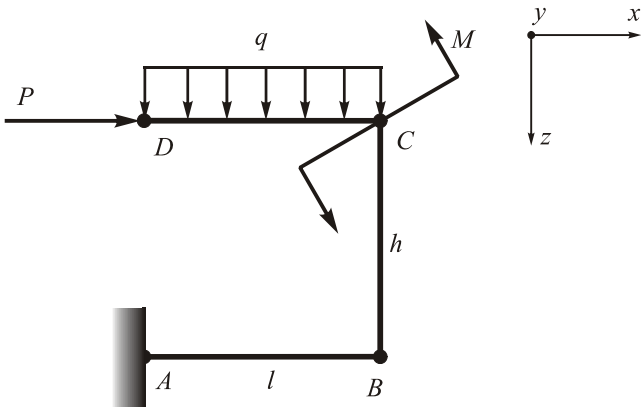
Full name of the lecturer

signature

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 113 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

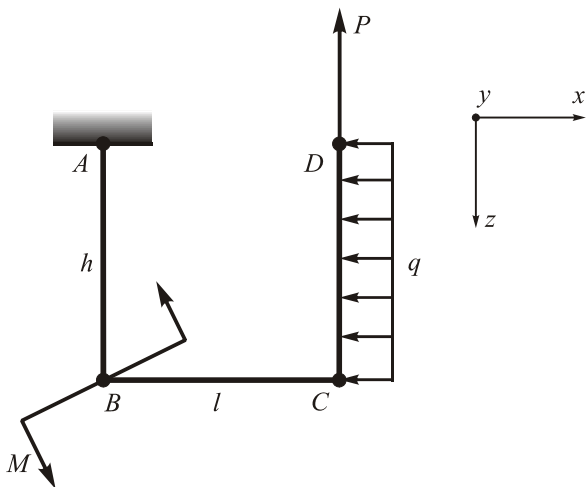
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 115 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

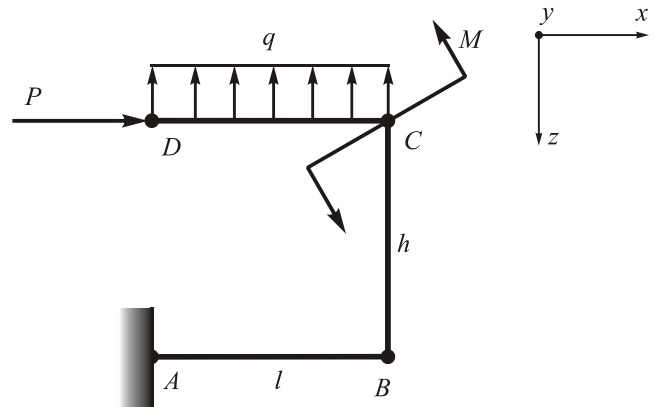
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 114 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

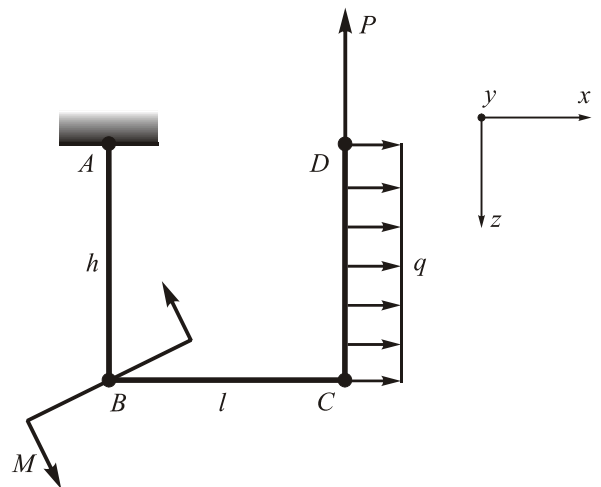
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 116 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials

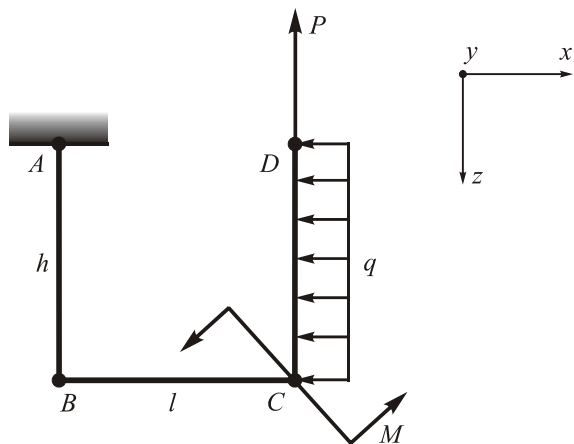
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 117

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

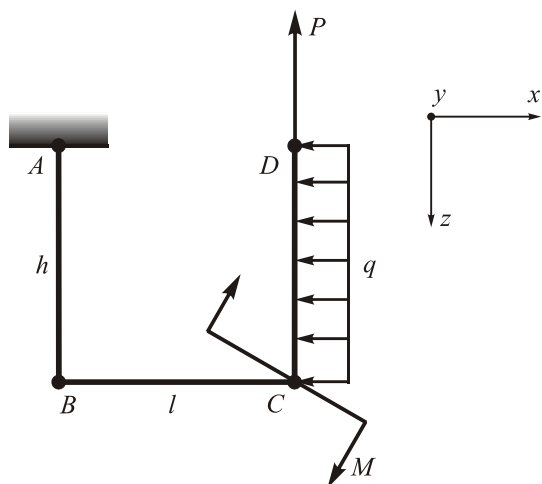
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 119

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

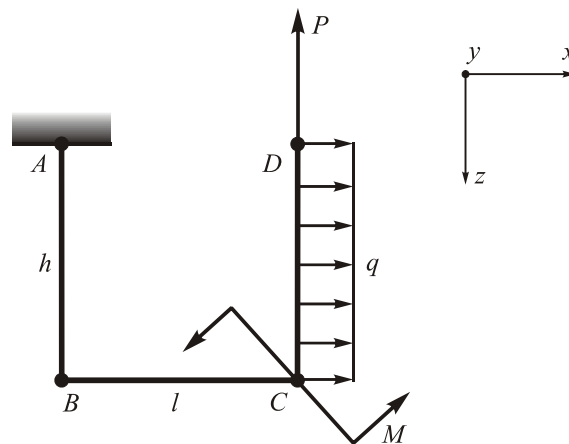
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 118

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

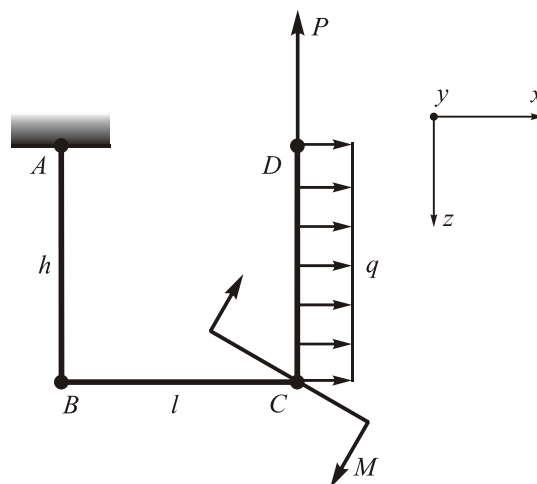
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 120

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

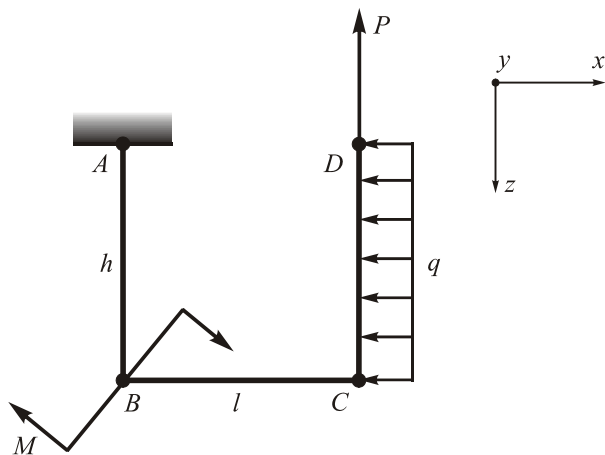
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 121

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

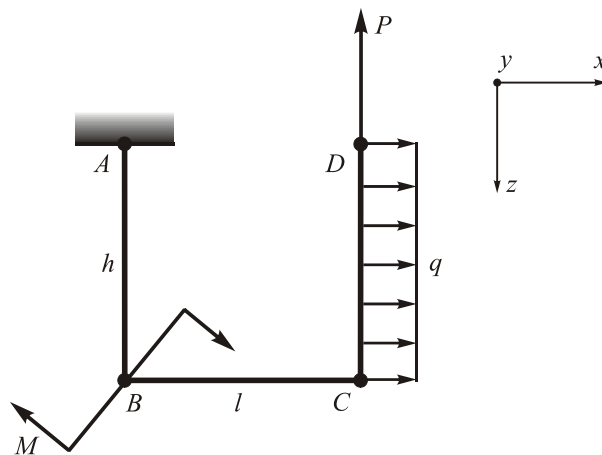
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 122

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

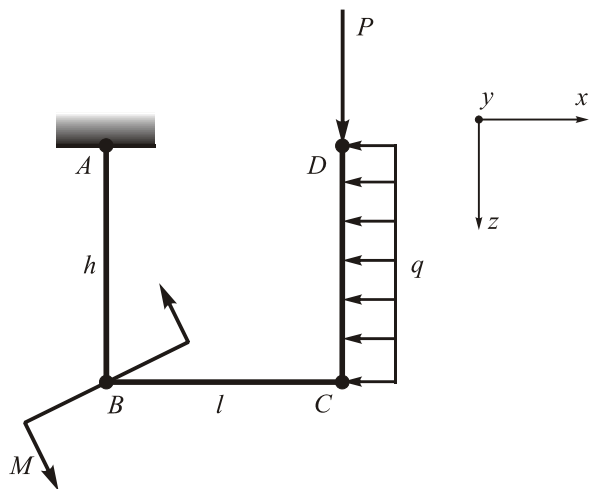
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 123

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

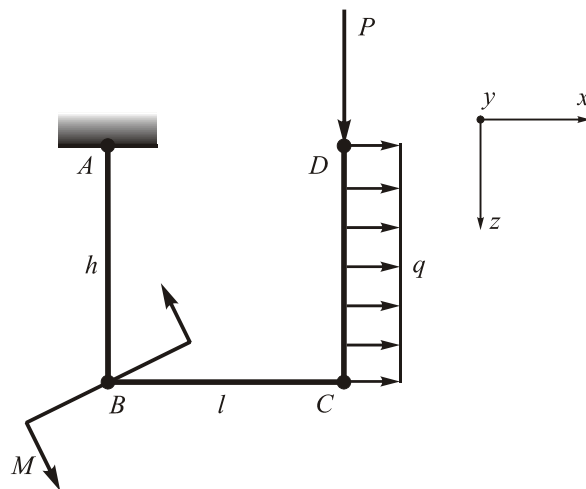
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 124

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

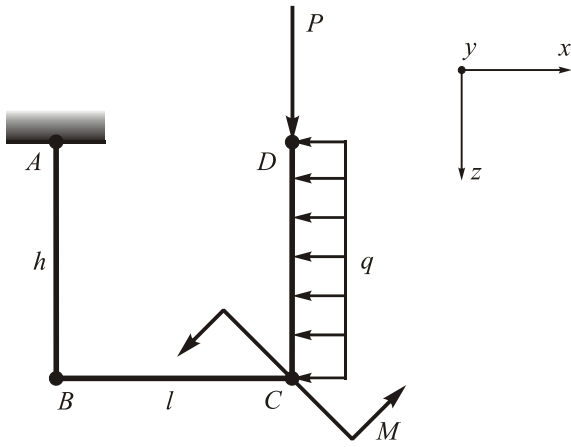
Full name of the lecturer

signature

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 125 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

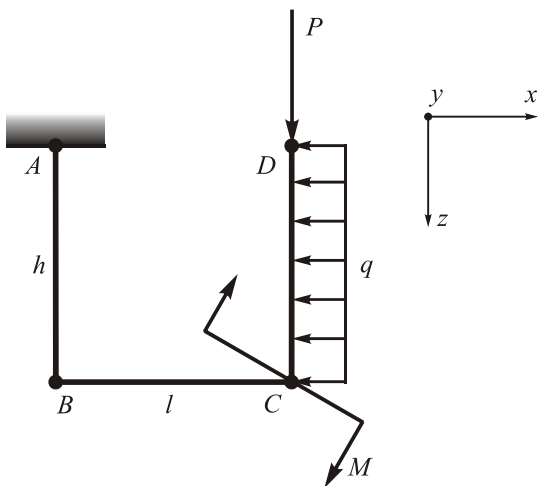
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 127 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

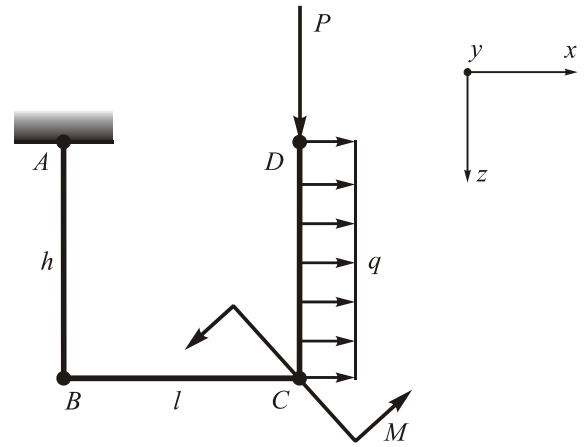
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 126 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

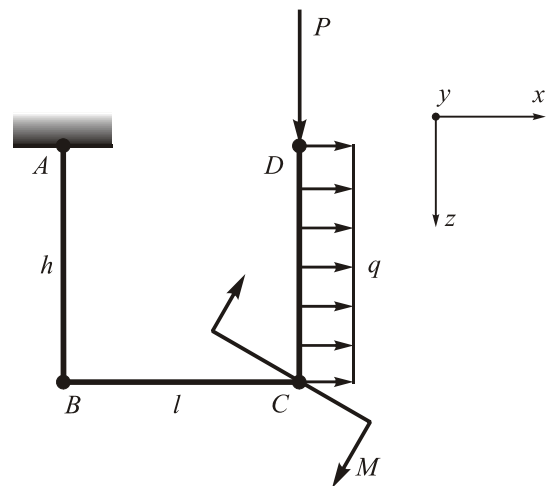
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 128 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

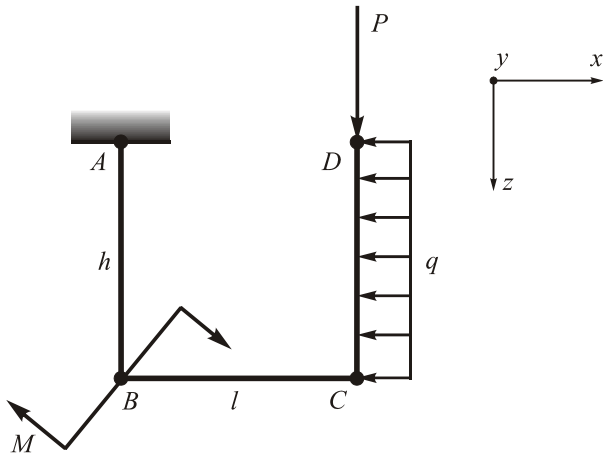
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 129 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

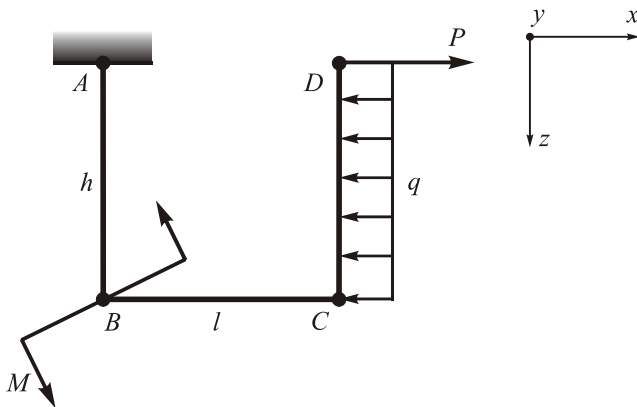
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 131 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

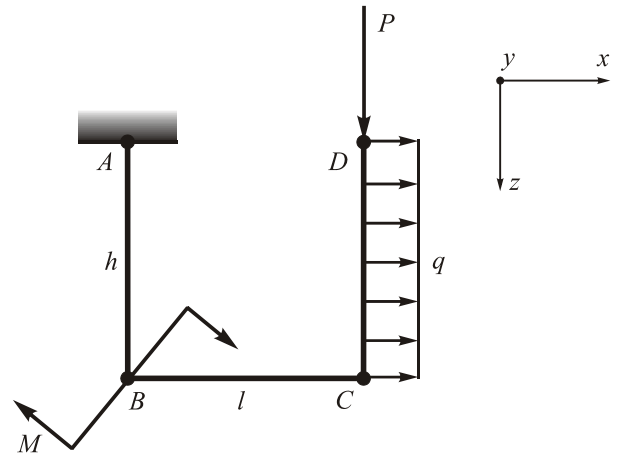
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 130 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

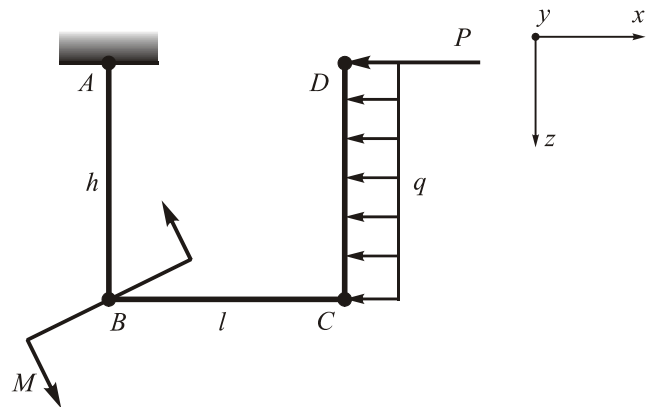
Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials
Document: home problem
Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.
Full name of the student, group

Variant: 132 **Complexity: 1**



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer **signature**

Mark:

Subject: mechanics of materials

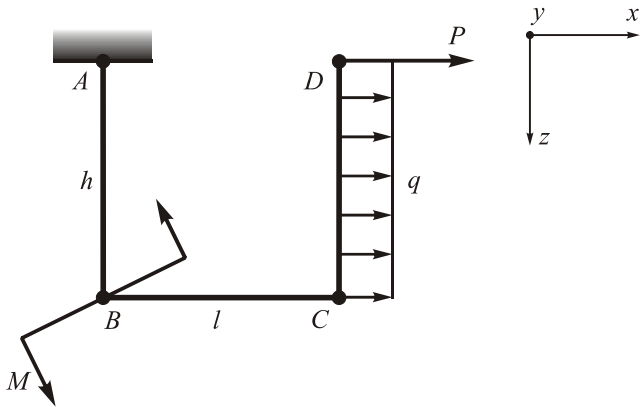
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 133

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

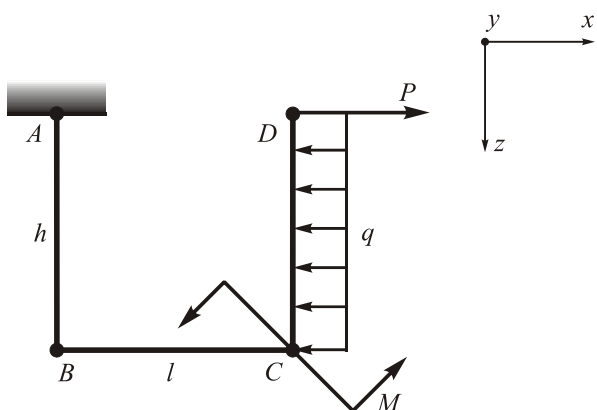
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 135

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

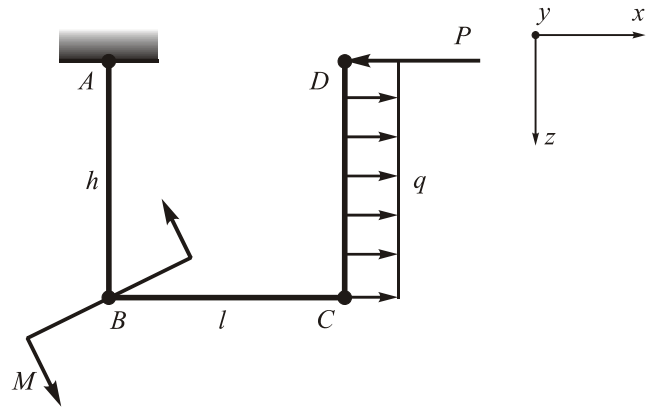
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 134

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

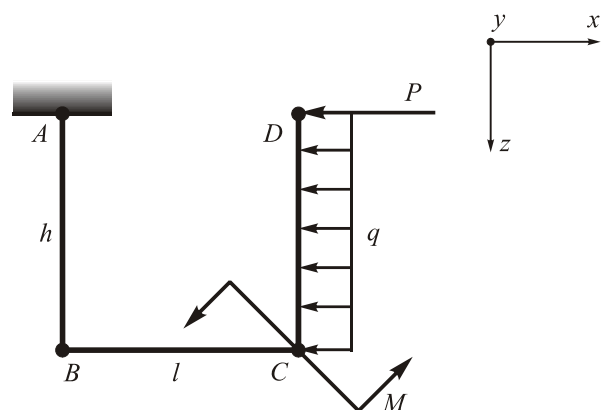
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 136

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

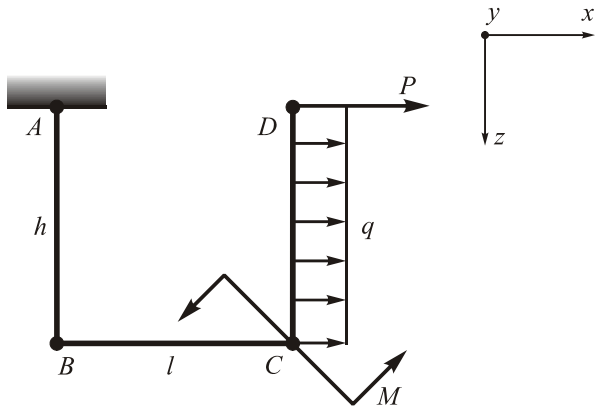
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 137

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

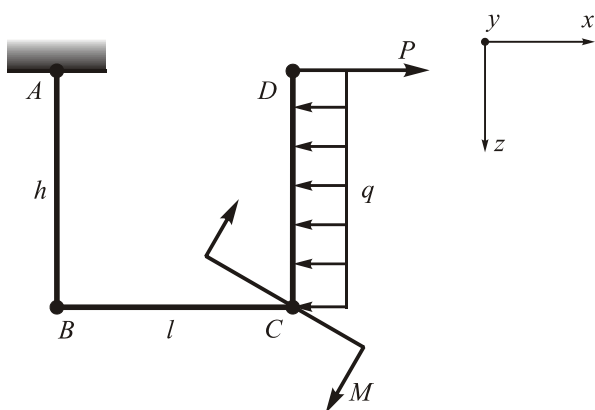
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 139

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

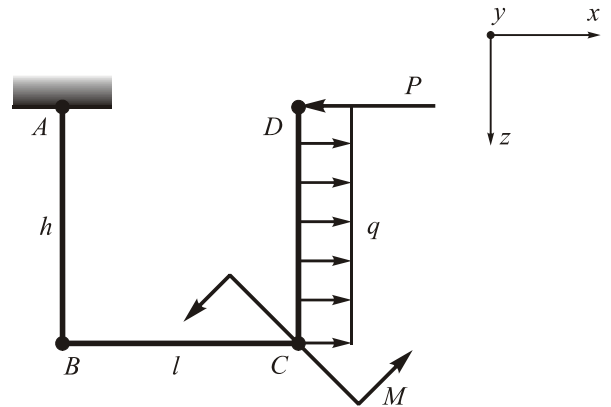
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 138

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

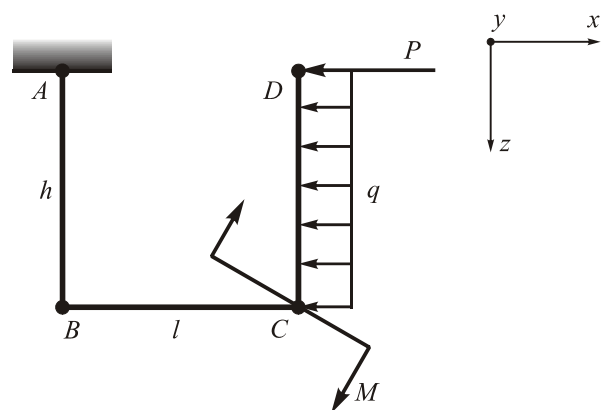
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 140

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

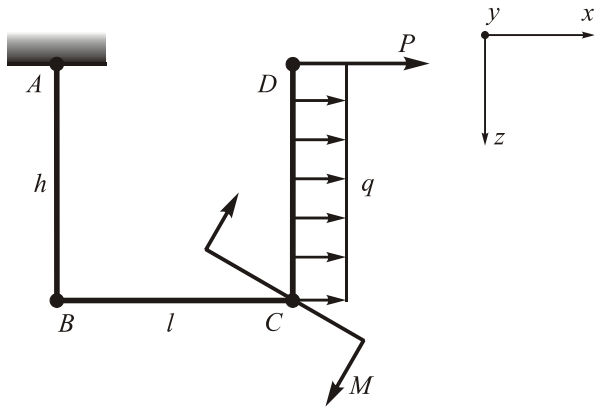
Document: home problem

Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 141

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

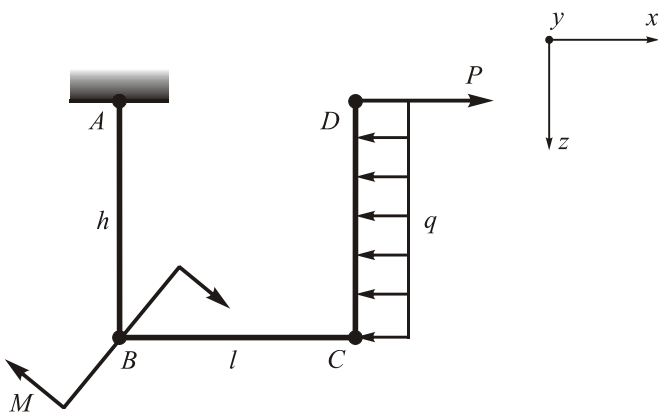
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 143

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

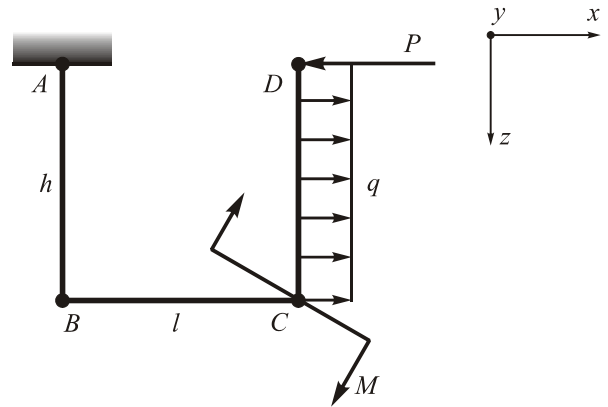
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 142

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

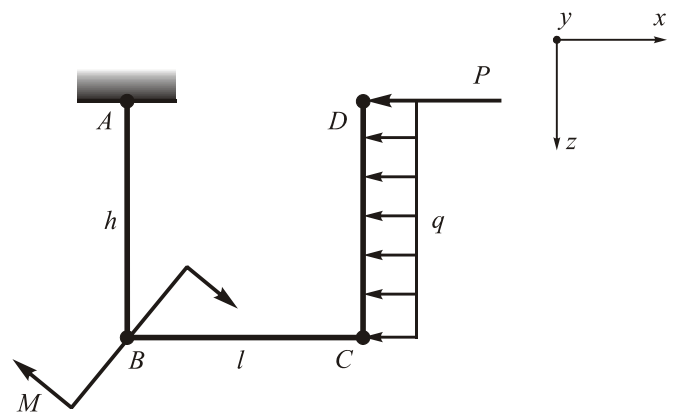
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 144

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

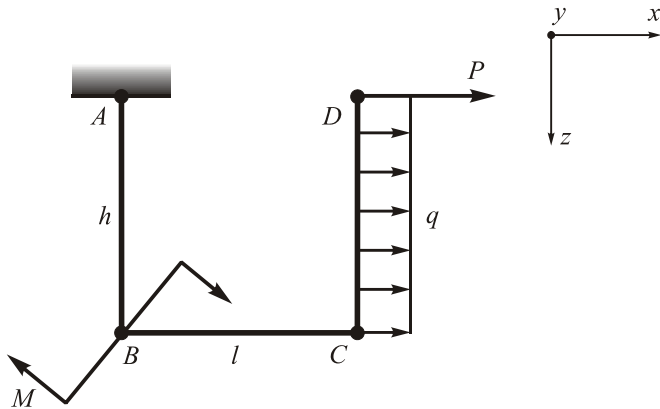
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 145

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

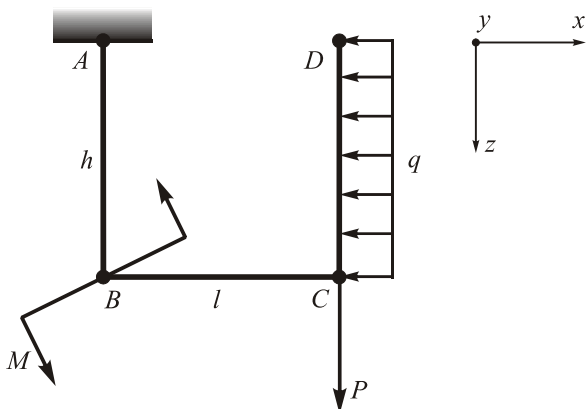
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 147

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

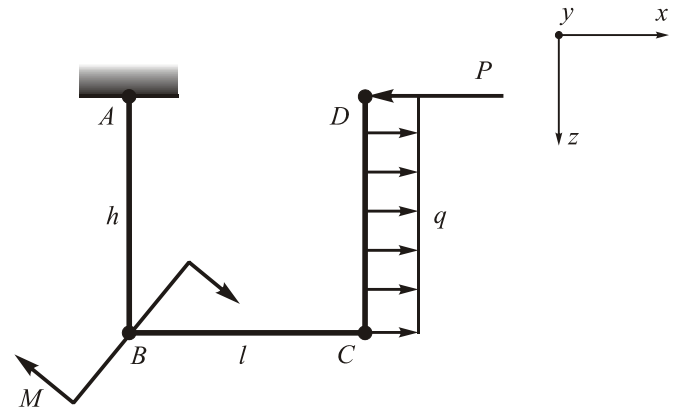
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 146

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

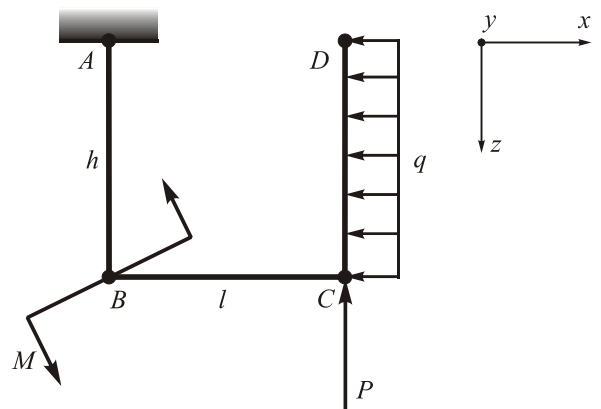
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 148

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

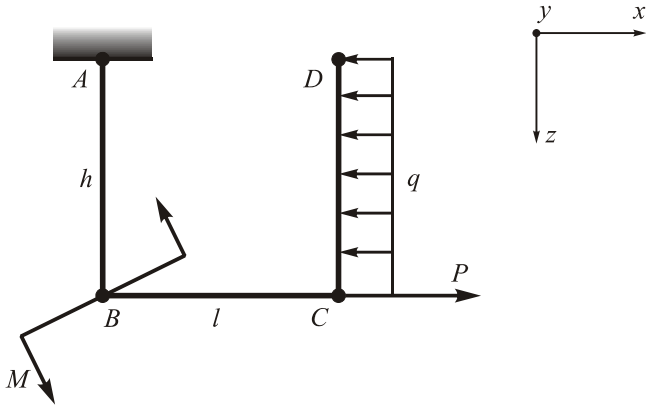
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 149

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark:

Subject: mechanics of materials

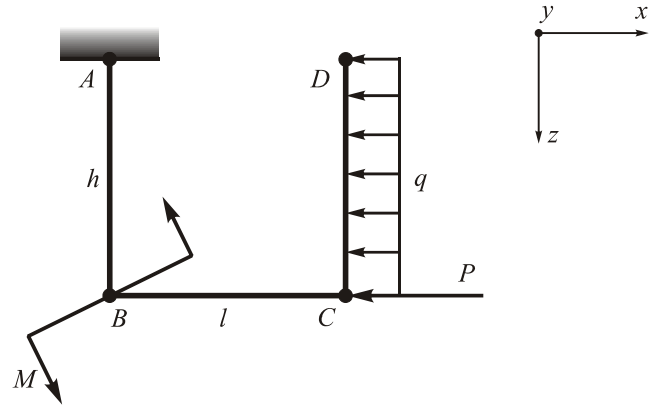
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Topic: graphs of shear force and bending moment distribution along the length of a beam in plane bending deformation.

Full name of the student, group

Variant: 150

Complexity: 1



Given: $q = 10 \text{ kN/m}$, $M = 30 \text{ kNm}$, $P = 40 \text{ kN}$, $l = 2 \text{ m}$, $h = 3 \text{ m}$.

Goal: obtain the equations of shear and normal forces and also bending moment in the cross-sections of a frame and design the graphs of their distribution along the frame portion length.

Full name of the lecturer

signature

Mark: