

ONLINE FEEDBACK I BLACKBOARD

ØVELSES OG AFLEVERINGSOPGAVER MED AUTOMATISK FEEDBACK

HVORFOR?

- Jeg vil i min forberedelse gerne lægge fokus på min undervisning - frem for at bruge tiden på eks. at rette opgaver
(I Herning har vi/jeg ikke tradition for at anvende ældre studerende til dette)
- Har nogen gange svært ved at “mærke” hvor de studerende er
- De studerende kan få feedback “nu og her” - også kl. 22:30 om aftenen!

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Vha. test i Blackboard kunne jeg (i et vist omfang) undgå at skulle rette en masse opgaver
- Har nogen gange svært ved at “mærke” hvor de studerende er
 - **jeg kan bruge min indsigt til opfølgning i efterfølgende lektioner**
 - **giver det anledning til ændring i mit materiale/min praksis?**
- Jeg får automatisk registreret eks. afleveringsopgaver og hvem der overskrider deadline

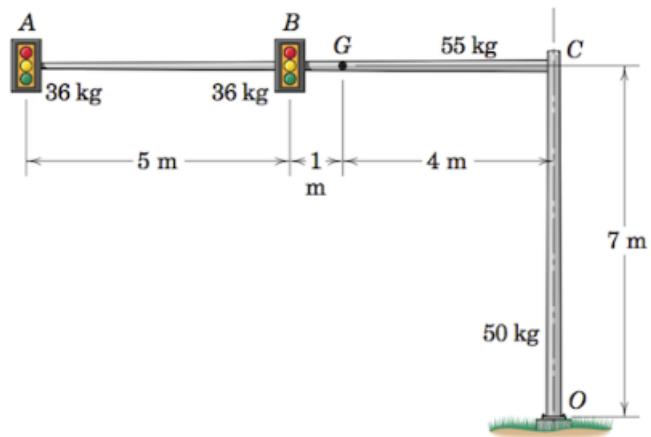
HVORDAN

- Afleveringsopgaver og øvelsesopgaver i Fysik/elektronik
- Gennem brugen af test i Blackboard fik jeg opsat en række opgaver primært som “Fill in the (multiple) blanks”
...kunne også have været multiple-choice
- Disse test kan være tilgængelig hele tiden (som øvelsesopgaver) eller låst efter deadline (afleveringsopgaver)

HVORDAN - DE STUDERENDE SER EKS. DETTE

Question 1

10 points [Save Answer](#)



Calculate the force and moment reactions at the bolted base O of the overhead trafficsignal assembly. Each traffic signal has a mass of 36 kg, while the masses of members OC and AC are 50 kg and 55 kg, respectively.

Forces:

$O_x =$

$O_y =$

Moment reactions:

$M_O =$

Save and Submit

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

[Save All Answers](#)

[Close Window](#)

[Save and Submit](#)

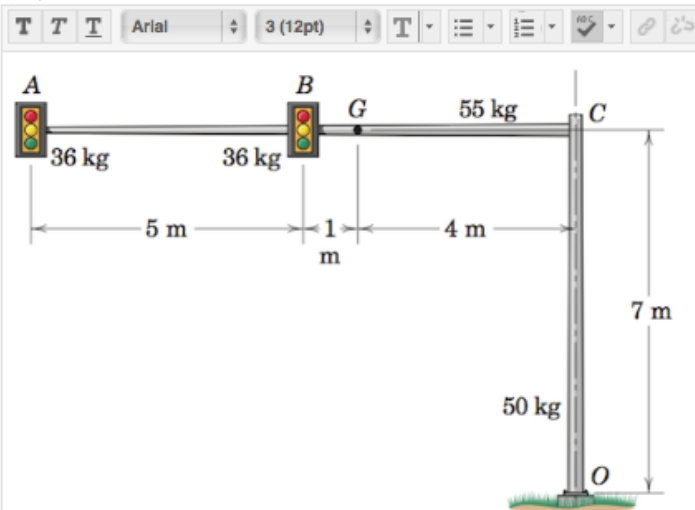
HVORDAN - OPRET SPØRGSMÅL(ENE)

1. Question

Modify question text that includes variables in square brackets [x] corresponding to locations in the text where the Fill in the Blank fields should appear. Variables may not be changed because there are already attempts. Click Next after completing the fields on this page to specify answers.

Question Title

* Question Text



Calculate the force and moment reactions at the bolted base O of the overhead traffic signal assembly. Each traffic signal has a mass of 36 kg, while the masses of members OC and AC are 50 kg and 55 kg, respectively.

Forces:

$$O_x = [O_x]$$

$$O_y = [O_y]$$

Moment reactions:

$$M_O = [M_O]$$

Path: p » img

Words: 52

Calculate the force and moment reactions at the bolted base O of the overhead traffic signal assembly. Each traffic signal has a mass of 36 kg, while the masses of members OC and AC are 50 kg and 55 kg, respectively.

Forces:

$$O_x = [O_x]$$

$$O_y = [O_y]$$

Moment reactions:

$$M_O = [M_O]$$

Path: p » img

HVORDAN - ANGIV SVAR

Gør brug af 'regular expressions'

2. Answers for: Ox

Number of Answers

1

★ Answer 1 Exact Match

0 [N]

3. Answers for: Oy

Number of Answers

2

★ Answer 1 Exact Match

1736 [N]

★ Answer 2 Pattern Match

1.7[34]?[0-9]? [N][k][N][m][N]

4. Answers for: Mo

Number of Answers

2

★ Answer 1 Exact Match

7460 [Nm]

★ Answer 2 Pattern Match

7.[45][6]?[0-9]? [N][k][N][m][N]

4. Answers for: Mo

Number of Answers

2

★ Answer 1 Exact Match

7460 [Nm]

★ Answer 2 Pattern Match

7.[45][6]?[0-9]? [N][k][N][m][N]

☒ Case Sensitive Remove

Check Pattern Remove

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HVORDAN - ANGIV SVAR

Gør brug af 'regular expressions'

2. Answers for: Ox

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★ Answer 1

★ Answer 2

4. Answers for: Mo

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Number of Answers

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★ Answer 1 Exact Match

7460 [Nm]

★ Answer 2 Pattern Match

7.[45][6]?[0-9]? [N][k][N][m][N]

☒ Case Sensitive Remove

Check Pattern Remove

Simple string examples:

- `b.t` - matches with bat, bet, but, bit, b9t because any character can take the place of the dot (.).
- `b[aeui]t` matches bat, bet, but, bit.
- `b[a-z]t` would accept any three-letter combination that begins with b and ends with t. A number would not be accepted as the second character.
- `[A-Z]` matches any uppercase letter.
- `[12]` matches the target character to 1 or 2.
- `[0-9]` matches the target character to any number in the range 0 to 9.

★ Answer 2 Pattern Match

7.[45][6]?[0-9]? [N][k][N][m][N]

Check Pattern Remove

HVORDAN - FEEDBACK

1. Feedback

Enter feedback that will display in response to a correct answer and an incorrect answer. If partial credit is allowed, answers that are partially correct will receive the feedback for an incorrect answer.

Correct Response Feedback

T T T Arial 3 (12pt) **T** **≡** **≡** **✓** **🔗** **🔗**

🖨 **i** **🔍** **⌵**

Correct!

Path: p

Words:1

Incorrect Response Feedback

T T T Arial 3 (12pt) **T** **≡** **≡** **✓** **🔗** **🔗**

🖨 **i** **🔍** **⌵**

Incorrect, the correct answers are:

$O_X = 0$ [N]

$O_Y = 1.736$ [kN]

$M_O = 7.456$ [kNm]

Path: p

Words:17

GRADE CENTRE

Grade Centre : Full Grade Centre ▾

When screen reader mode is on, the Grade Centre data appears in a simplified grid. You cannot freeze columns or edit inline, making it easier to navigate using the keyboard. To enter a grade, access cell's contextual menu and click **View Grade Details**. When screen reader mode is off, you can type a grade directly in a cell on the Grade Centre page. To enter a grade: click the cell, type the grade value, and press the Enter key to submit. Use the arrow keys or the tab key to navigate through the Grade Centre. [More Help](#)

Create Column

Create Calculated Column ▾

Manage ▾

Reports ▾

Filter

Work On

Sort Columns By: Layout Position ▾ Order: ▲ Ascending

Grade Information Bar

Last Saved: 18 November 2014

■	Last Name	First Name	Username	Last Access	Availability	Child Course I	✓ Total	Assignment A	Hand-in assign	Resistor Exerc
☐	Axelsen	Christoffer Bergma	489697@au.dk	05 May 2015	Available	24009PU006-F15	303.33	120.00	100.00	83.33333
☐	Chen	He	509256@au.dk	11 May 2015	Available	24009PU006-F15	136.67	120.00	0.00	16.66667
☐	Holm	Mikkel Elkjær	518038@au.dk	04 May 2015	Available	24009PU006-F15	220	120.00	100.00	--
☐	Lajgaard	Lasse	489659@au.dk	04 May 2015	Available	24009PU006-F15	276.67	110.00	100.00	66.66666
☐	Moga	Mihail Adrian	473981@au.dk	02 February 2015	Available		--	--	--	
☐	Nielsen	Mads Aaby	489671@au.dk	11 May 2015	Available	24009PU006-F15	286.67	120.00	100.00	
☐	Ramsing	Lars Piihl	513867@au.dk	09 February 2015	Available	24009PU006-F15	240	120.00	70.00	
☐	Raspopa	Adrian	450835@au.dk	04 July 2015	Available	24009PU006-F15	227.92	120.00	91.25	
☐	Rossen	Egill Arnar	513575@au.dk	29 May 2015	Available	24009PU006- ▾	180	110.00	70.00	
☐	Surica	Stefan	473615@au.dk	02 February 2015	Available		--	--	--	

Selected Rows: 0

View Grade Details
Quick Comment
Exempt Grade
Attempt 08/09/14 0.00
Attempt 09/09/14 66.66666



INSTITUT FOR FORRETNINGSUDVIKLING
OG TEKNOLOGI
AARHUS UNIVERSITET

Ulrich Bjerre
Lektor

Friday 2 October 2015

10

RESULTATER

- “Automatiseret” og genbrugelig opgavesæt
- De studerende kan arbejde med opgaverne så ofte de vil, når de vil
- De stuerende får direkte feedback på deres resultater med det samme
- og der kan gives vejledende hjælp/forslag til fremgangsmetoden via feedback
- I tilfælde af flere spørgsmål i ét sæt kan man eks. angive ved et resultat mindre en 70 point, så bør man gennemgå emnet igen og gentage testen
- Jeg sparer tid
- Jeg kan identificere hvor der evt. måtte være udfordringer

RESULTATER - MINE RÅD

- Som alt andet, så tager det lang tid første gang - men med tiden givet godt ud!
- I forhold til at tage højde for afrundingsfejl og antallet af betydende cifre, kræver det noget bedre kontrol over mulige svar - især ved anvendelsen af 'pattern match' (regular expression)
- Der sneg sig nogle fejl ind i resultaterne (korrekte svar), så det skabte lidt forvirring.
- ...sørg derfor for at afprøve det på klassen med mindre øvelser før du bevæger dig ud i obligatoriske afleveringer
- Og så kræver det en god introduktion til hvordan svar skal noteres - eks. krav vedr. store/små bogstave i enheder og hvis de skal være omgivet af firkantparanteser!

RESULTATER - MINE RÅD

- Som alt andet, så tager det lang tid første gang - men med tiden givet godt ud!

1. Instructions

Description

In this test you must calculate the voltage across all resistors and the current through all resistors.

Please read the instructions carefully, as a wrong notation of your calculated results, will result in a wrong answer!

You'll be able to score a maximum of 100 points (100%)!

Should you end at 70% or below I would strongly recommend you to go through the theory again and redo the test.

Instructions

It is very important that you use the correct unit and round off your results to exactly two digits after the decimal point!

Example 0.12345 [A] would be 123.45 [mA] or 3.456 [V] is 3.46 [V] (NOT 3456.00 [mV]!)

To get a correct answer in this test you MUST write your result like 123.45 [mA] (Don't forget the space before the square bracket!)

When writing the value of resistors you either write Ohm for Ω , kOhm for k Ω or MOhm for M Ω – e.g.: 4.7 [k Ω] = 4.7 [kOhm]! (Again don't forget the space before the square bracket!)

Also important:

Due to the limitations in this blackboard system, when writing a result like 1.45×10^{-4} you will need to write 1.45E-4 (NO SPACES!)

Good luck!

ud i obligatoriske afleveringer

- Og så kræver det en god introduktion til hvordan svar skal noteres - eks. krav vedr. store/små bogstave i enheder og hvis de skal være omgivet af firkantparanteser!

TAK!

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