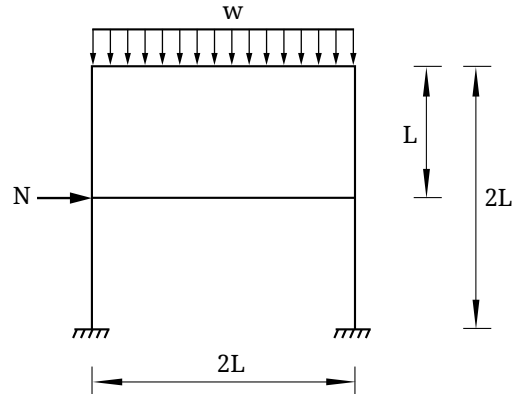
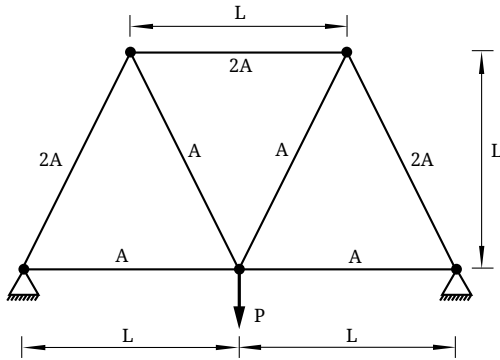


MECHANICS OF MARINE STRUCTURES

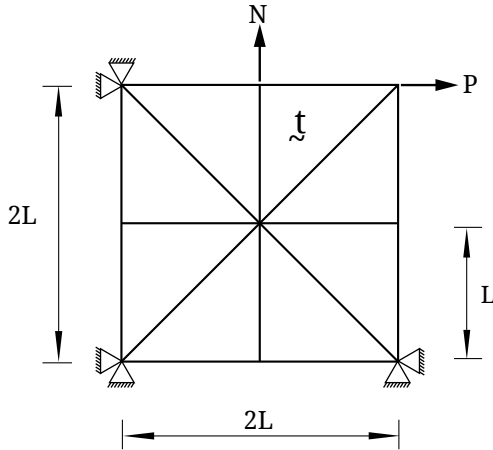
Term Project

Due Date: 27/11/2015



1) Determine maximum normal stress and the vertical displacement of upper right node

2) Determine maximum von-Mises stress and the vertical displacement of upper right node (cross-section area is A and moment of inertia is I for all members)



3) Determine maximum von-Mises stress and the vertical displacement of upper right node

Ad - Soyad	A (Area) [m ²]	L (Length) [m]	P (Force) [N]	I (Moment of Inertia) [m ⁴]	N (Force) [N]	w (Distributed Force) [N/m]	t (Thickness) [m]
Bekir Polat	0.1	1	1000	1.00E-006	2000	500	0.005
Gökay Sevgi	0.2	1	1000	2.00E-006	2000	500	0.01
Yavuz Karagöz	0.3	1	1000	1.00E-006	4000	500	0.005
Alkın Erdal Demirhan	0.1	1	3000	1.00E-006	2000	1000	0.005
Ali Özkan Pekmez	0.2	1	3000	2.00E-006	2000	1000	0.01
Volkan Zengin	0.3	1	3000	2.00E-006	4000	500	0.005
Burak Çoban	0.1	2	1000	1.00E-006	2000	500	0.005
İdris Bulut	0.2	2	1000	2.00E-006	2000	500	0.01
Oğuz Başkaya	0.3	2	1000	1.00E-006	4000	500	0.005
Ahmet Pala	0.1	2	3000	1.00E-006	2000	1000	0.005

NOTES:

1) E=200 GPa for all questions **December,11 2015**

3) Answers to the questions should be submitted as printout

4) Ansys db files should be submitted by e-mail to korogluser@itu.edu.tr