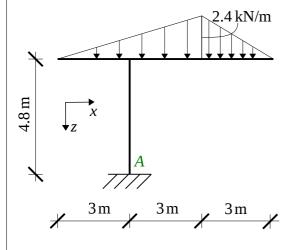
Basics of Statics and Dynamics (BMEEOTMAT41)		Name:			NEPTUN:		
					TOTAL L		
		Date (dd/mm/yy): Use pencil. Take care of readabi	lity of your work.				
Test 2	_	Do not write into gray blocks. Partial points are not available for	or questions typeset in italic.	Total	l points:		
horizontal plane by starts from rest and is neglected, friction Find the angular acc Calculate the distanto reach an angular	a force F moves we have suffice celeration ce covere velocity	ed by the center of mass	ntre. The wheel resistance lling motion).		F X	20 pts	
State the work-energy theorem for a rigid body. If equations are written instead of phrasal definition, give the meaning as well as the formula for calculation of each variable involved.						10 pts	
meaning as well as	ine formu	ua for calculation of ea	cn variable involved	l.			



Isolate the structure given in the figure.

Qualify the structure from the aspect of statical determinacy by accounting for the number of independent equations and unknowns.

10 pts



