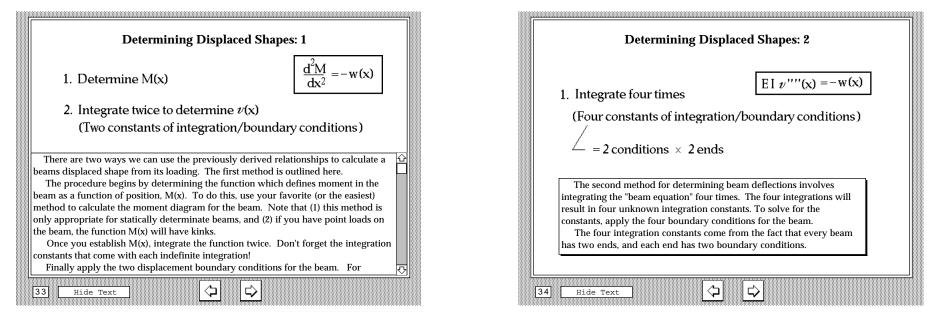
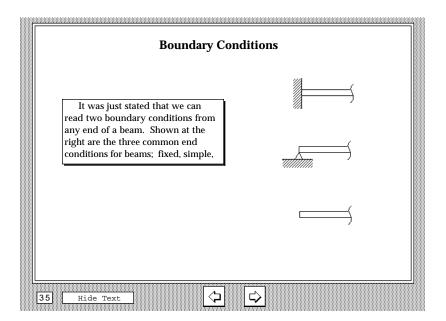
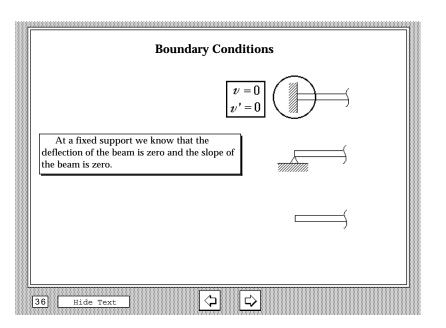
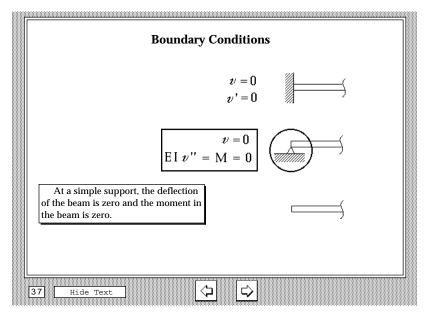


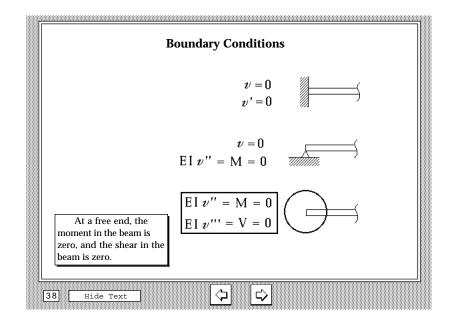
	The Whole Story			
	E I v'''(x) = -w(x)	Distributed Load		
	EI $v^{\prime\prime\prime}(\mathbf{x}) = V(\mathbf{x})$	Shear		
	EI v''(x) = M(x)	Moment		
	v'(x) =	Slope		
	<i>v</i> (x) =	Deflection		
The governing equation for beam deflections, shown at the top, is a fourth order				
differential equation. The four integrations needed to calculate the deflections of the beam are shown below the governing equation. Note the result of each integration is related to a				
particular property of the beam's internal loading or shape. Refer back to this figure if you				
-	are unsure at what step the beam equation must satisfy a certain boundary condition.			
32 Hide Text				

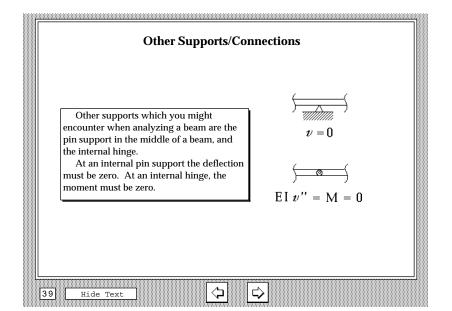


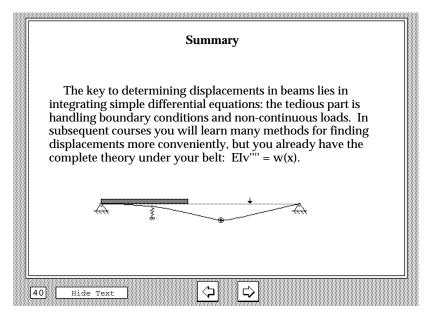












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The End	
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