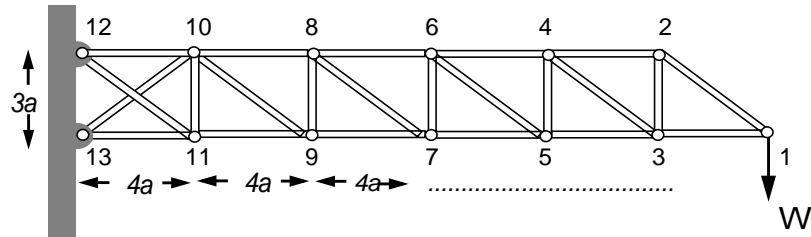


## Class Exercise #13

### 1.050 Solid Mechanics

The truss shown has a stiffness matrix  $[K]$  which is a 22 by 22 matrix if we eliminate the elements associated with displacements of the two points, 12 and 13, fixed at the wall.



What are the elements of the two columns corresponding to the displacement components,  $u_6$  and  $v_6$ ?

	$u_6$	$v_6$	
$X_4$			
$Y_4$			
$X_5$			
$Y_5$			
$X_6$			
$Y_6$			
$X_7$			
$Y_7$			
$X_8$			
$Y_8$			