AUTOR: CHARLES SALOMÉ NUÑEZ
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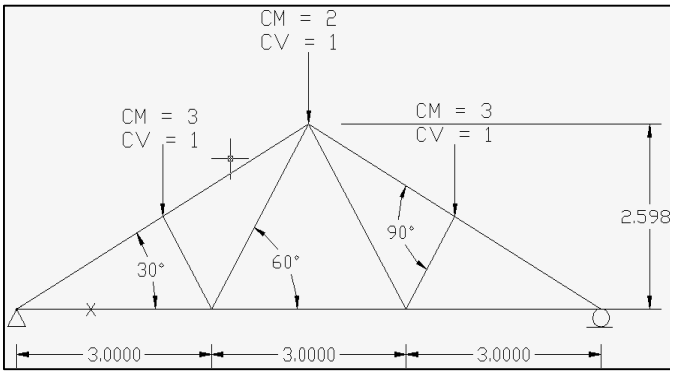
Obtener las fuerzas axiales en las barras y las reacciones debido a los siguientes estados de carga:

a.- CM (carga muerta)

b.- CV (carga viva)

c.- PU = 1.2CM +1.6CV (carga última

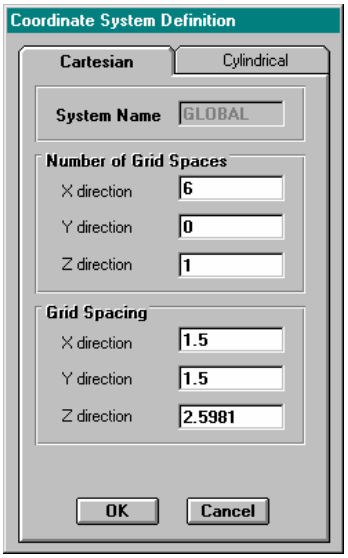
Ademas diseñar la estructura.

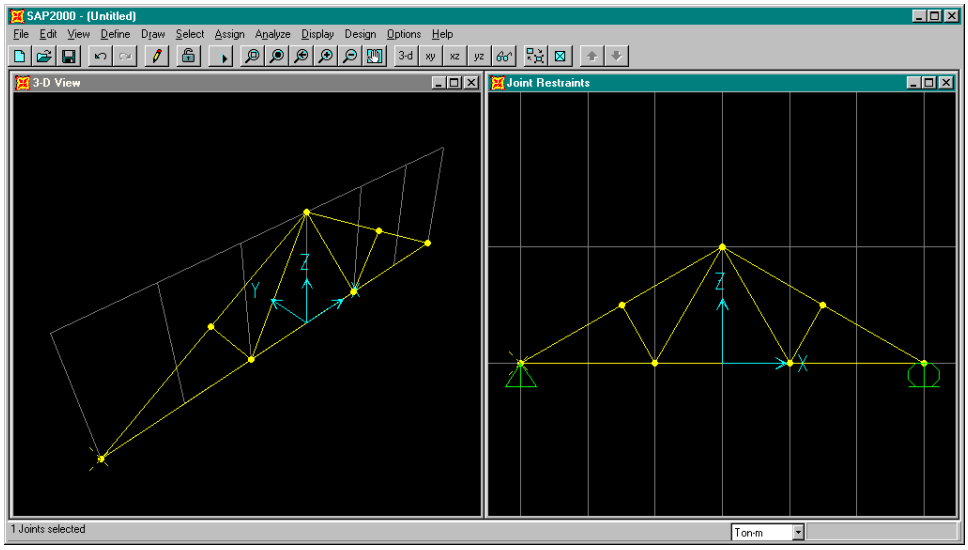


1.- Unidades: (Tn-m)

2.- New Model:

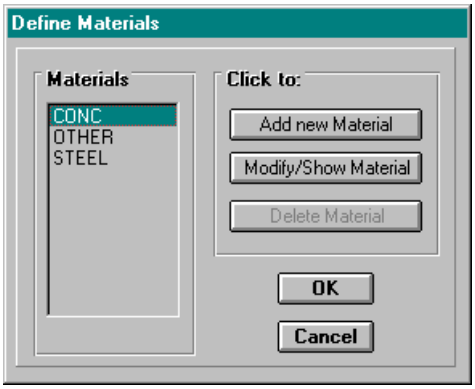
Estamos trabajando en coordenasdas cilindricas:



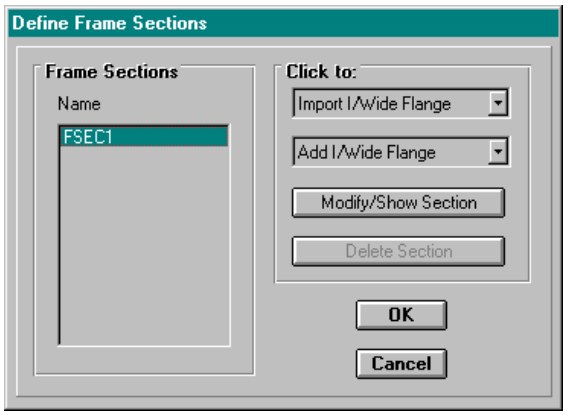


3.- Define de apoyos

4.- Definicion de materiales

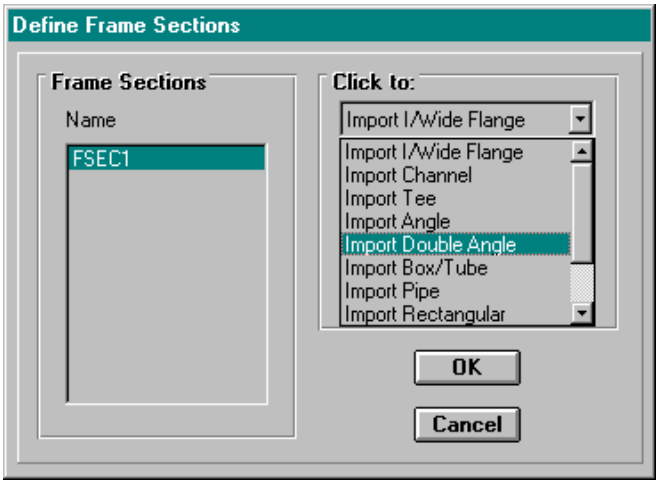


5.- Definicion de secciones (define frame sections)



Traccion Abajo

Compresion Arriba



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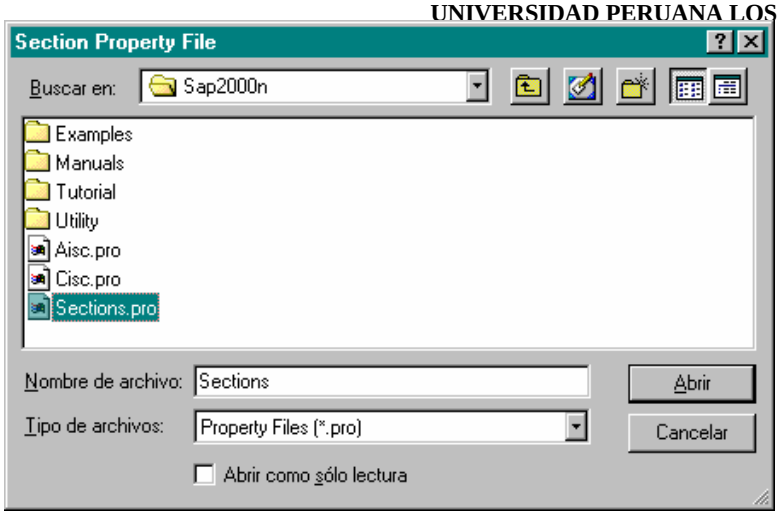
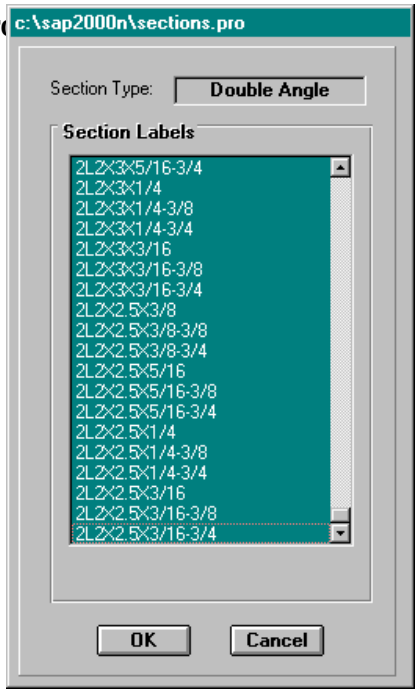
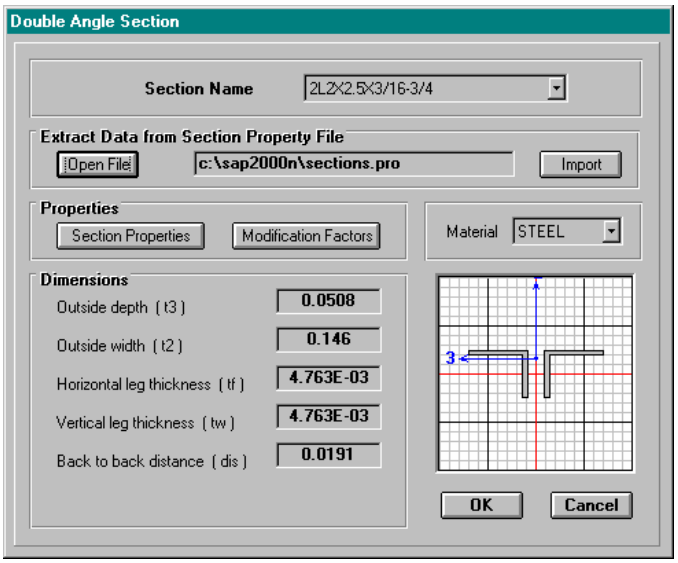
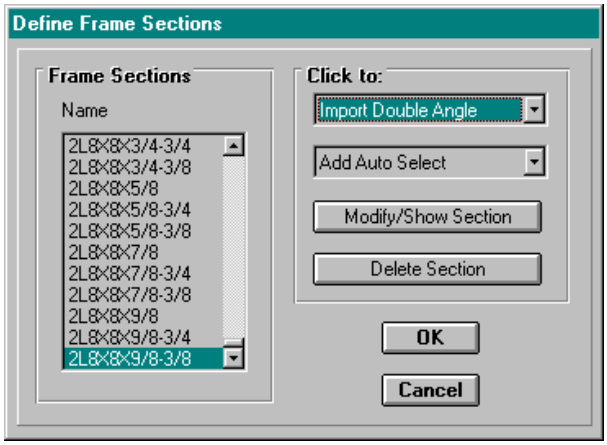
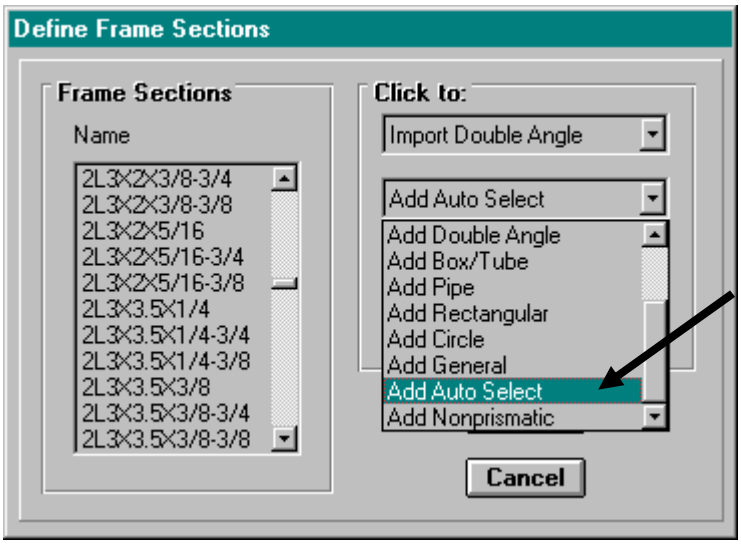
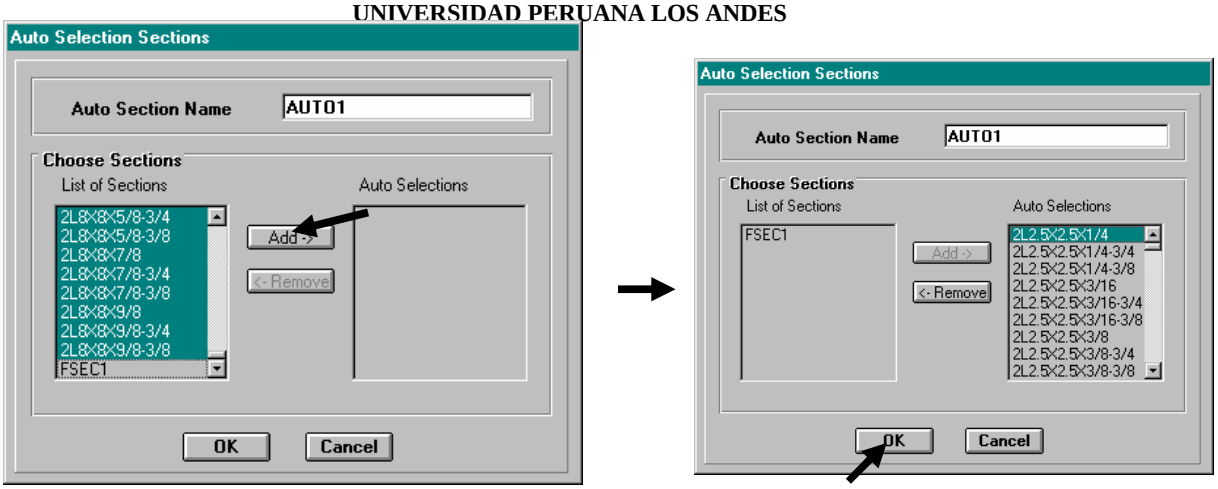




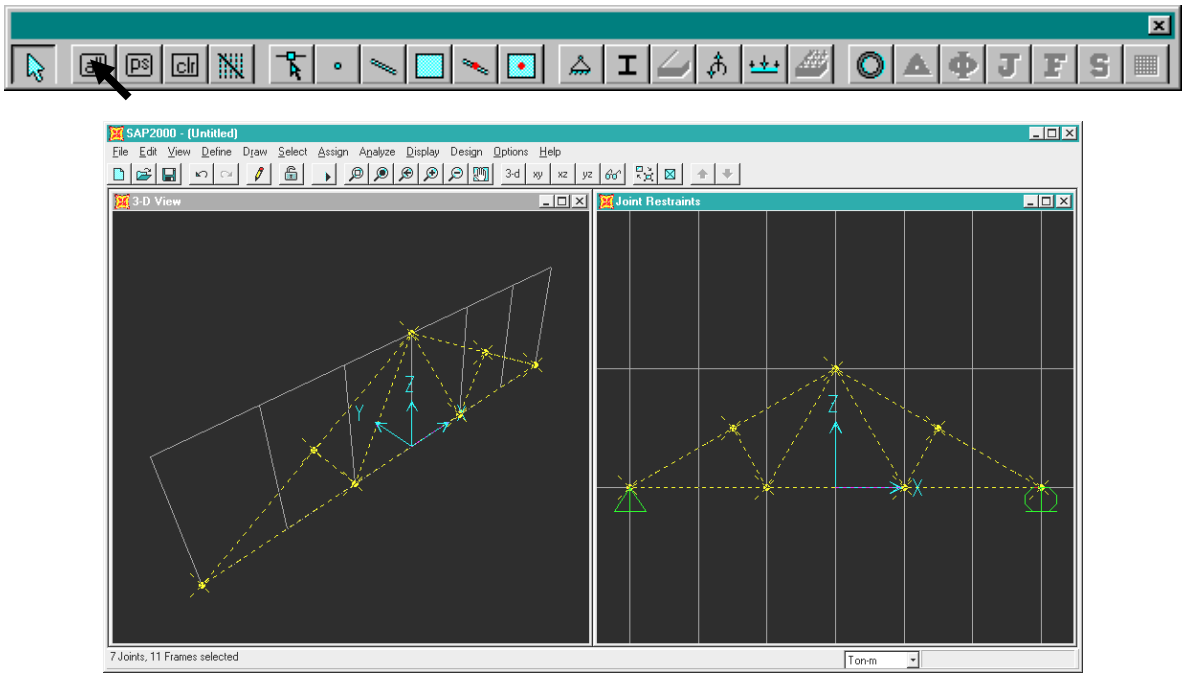


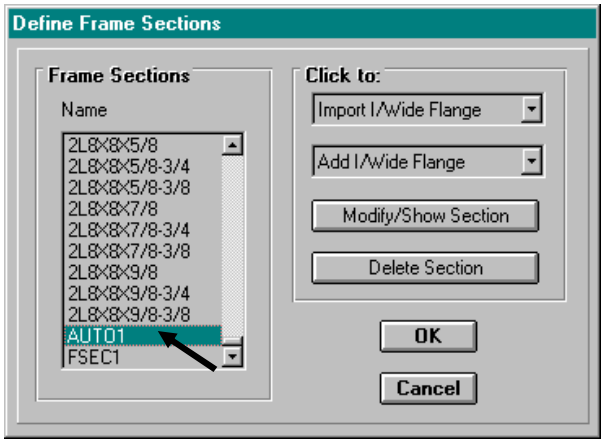


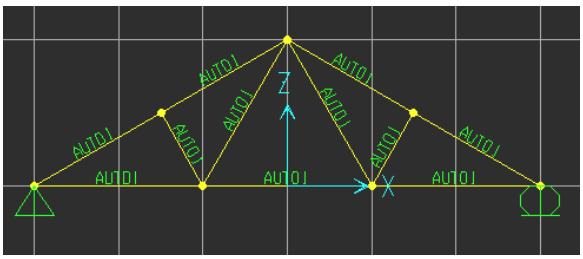




6.- Asignar Las secciones:







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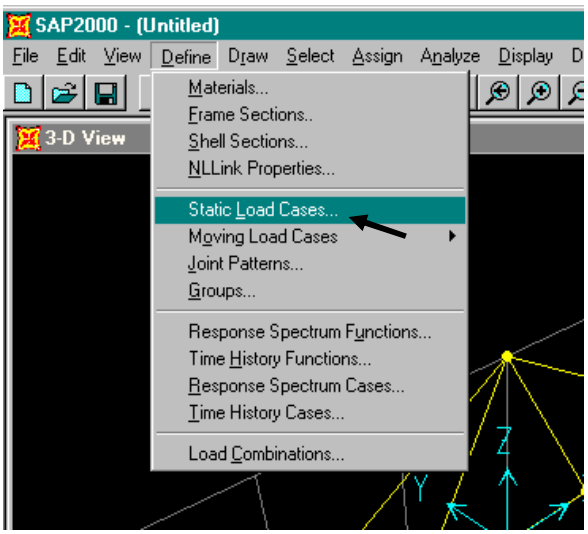
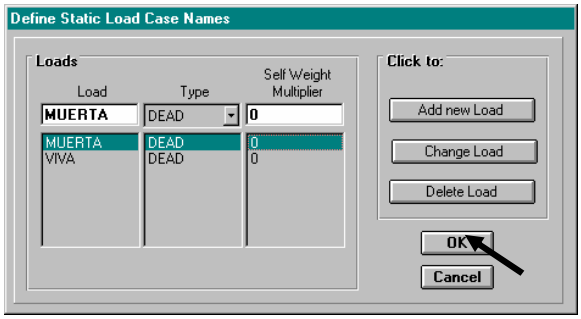
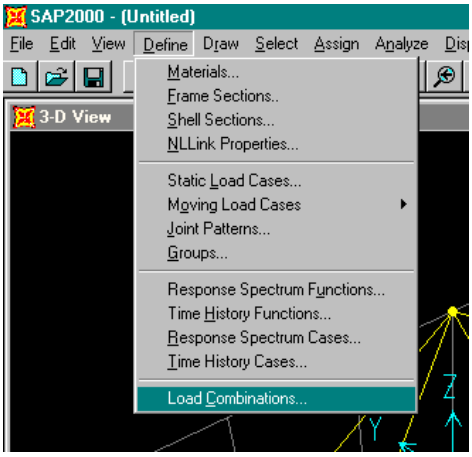
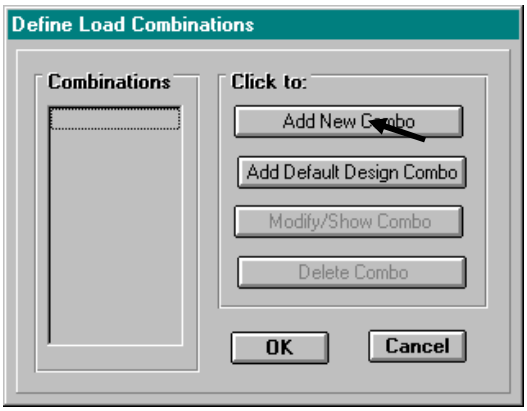


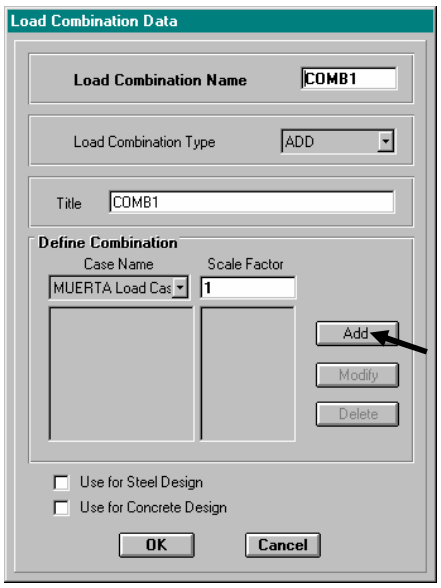
Para que no se produsca momentos flectores

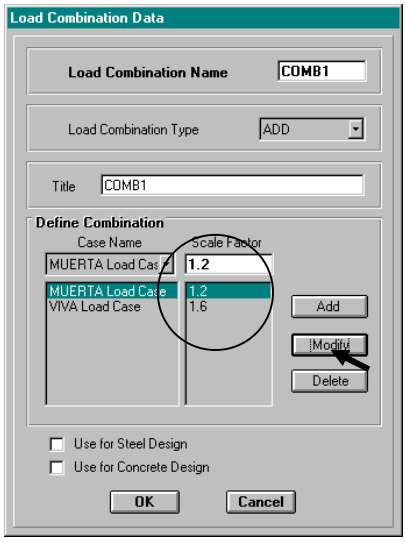


8.- Combinaciones de Cargas:









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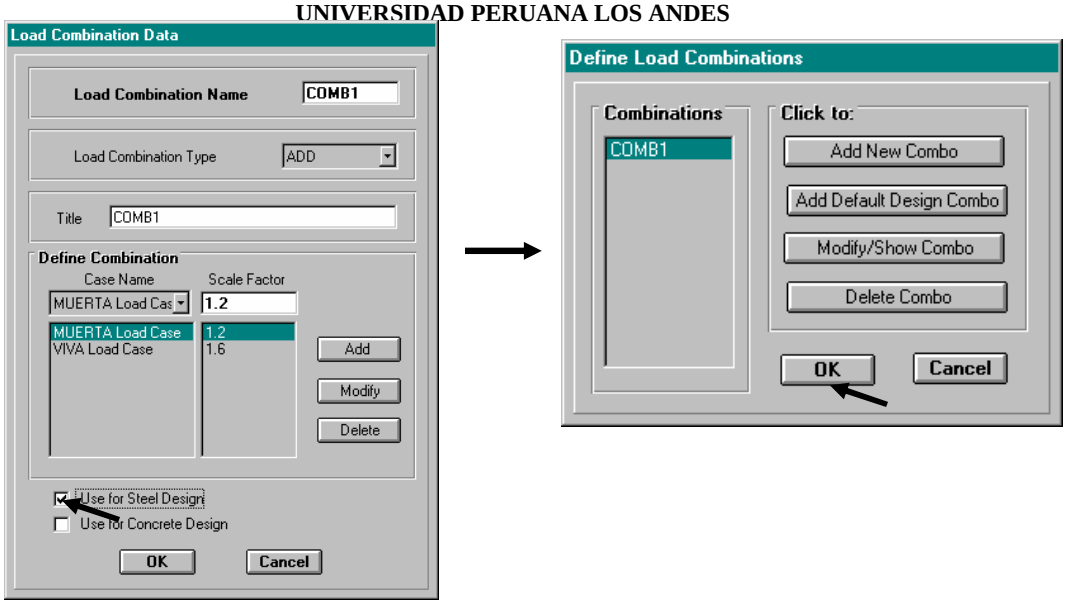
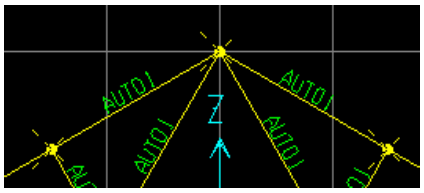
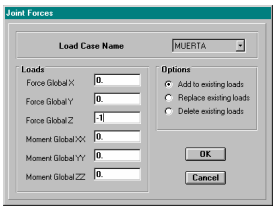


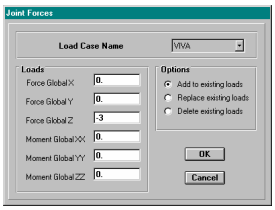
9.Cargas de la Estructurta:

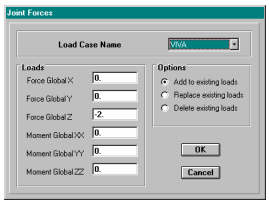


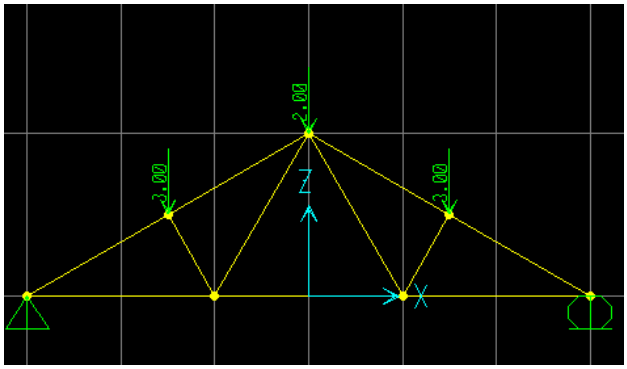
Cargando Viva y Muerta:

Carga Muerta (-1 Tn) Carga Viva (-3Tn) Carga Viva (-2 Tn)

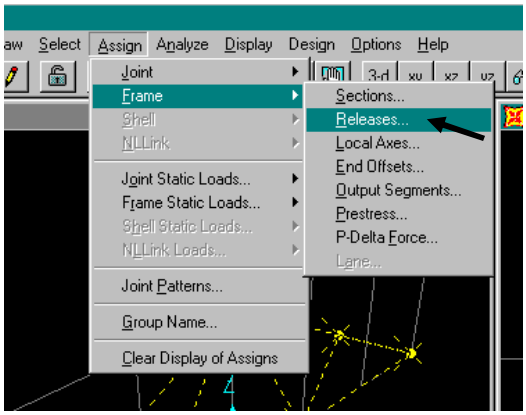


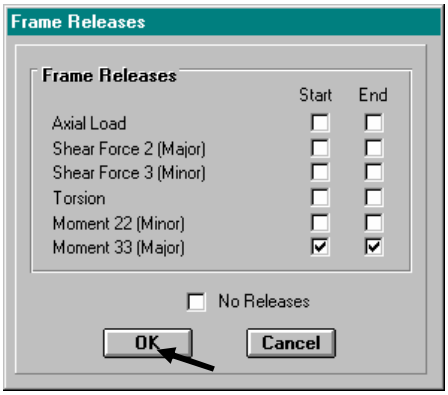


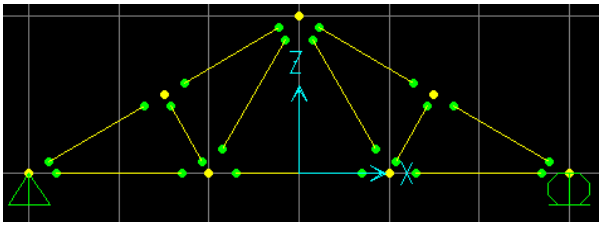


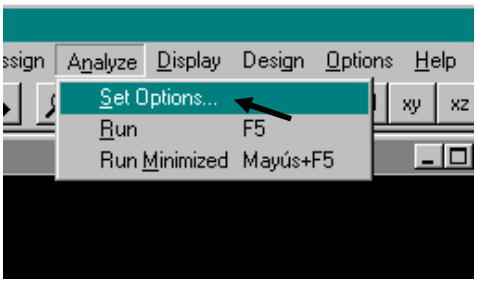


Para quitar el giro realizamos el **REALEASE:**

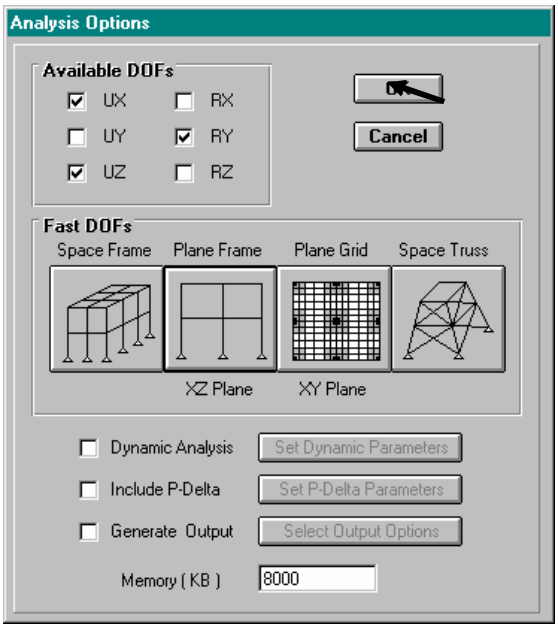


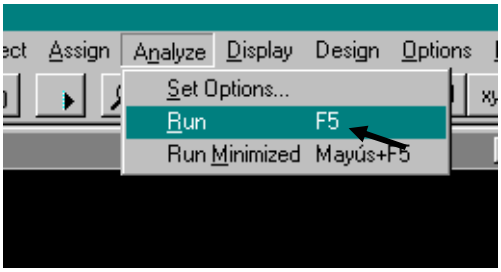






10.- Analisis:





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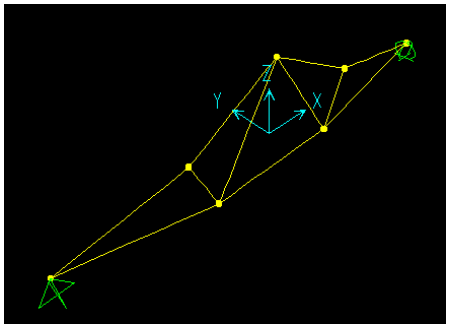
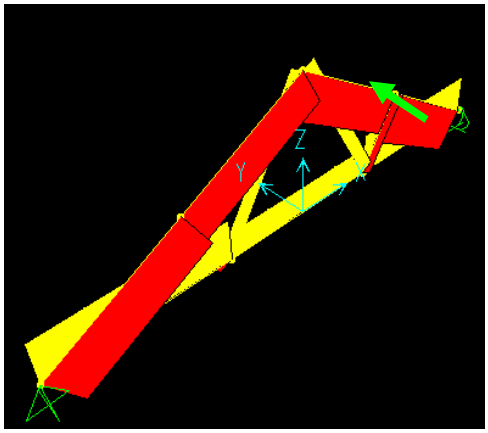
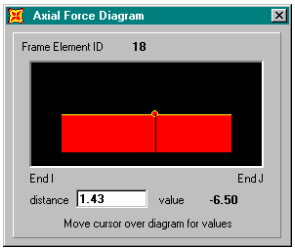
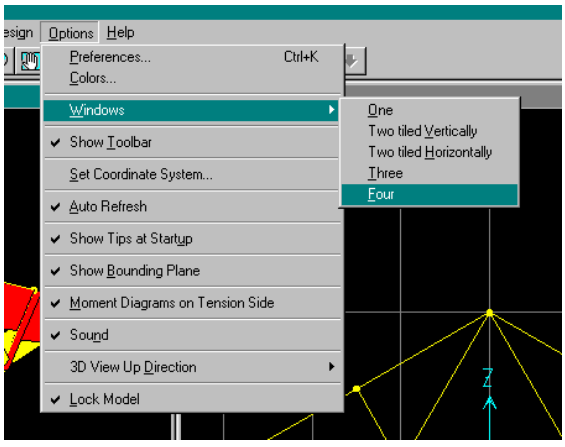
Deformada

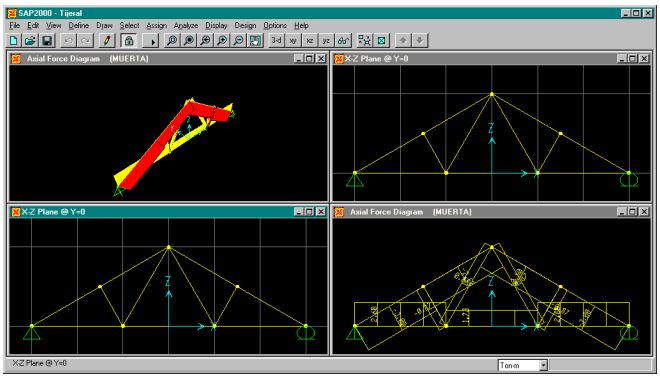




Clic con el boton derecho







ASD: Metodo de servicio
AISC: Carga de Rotura

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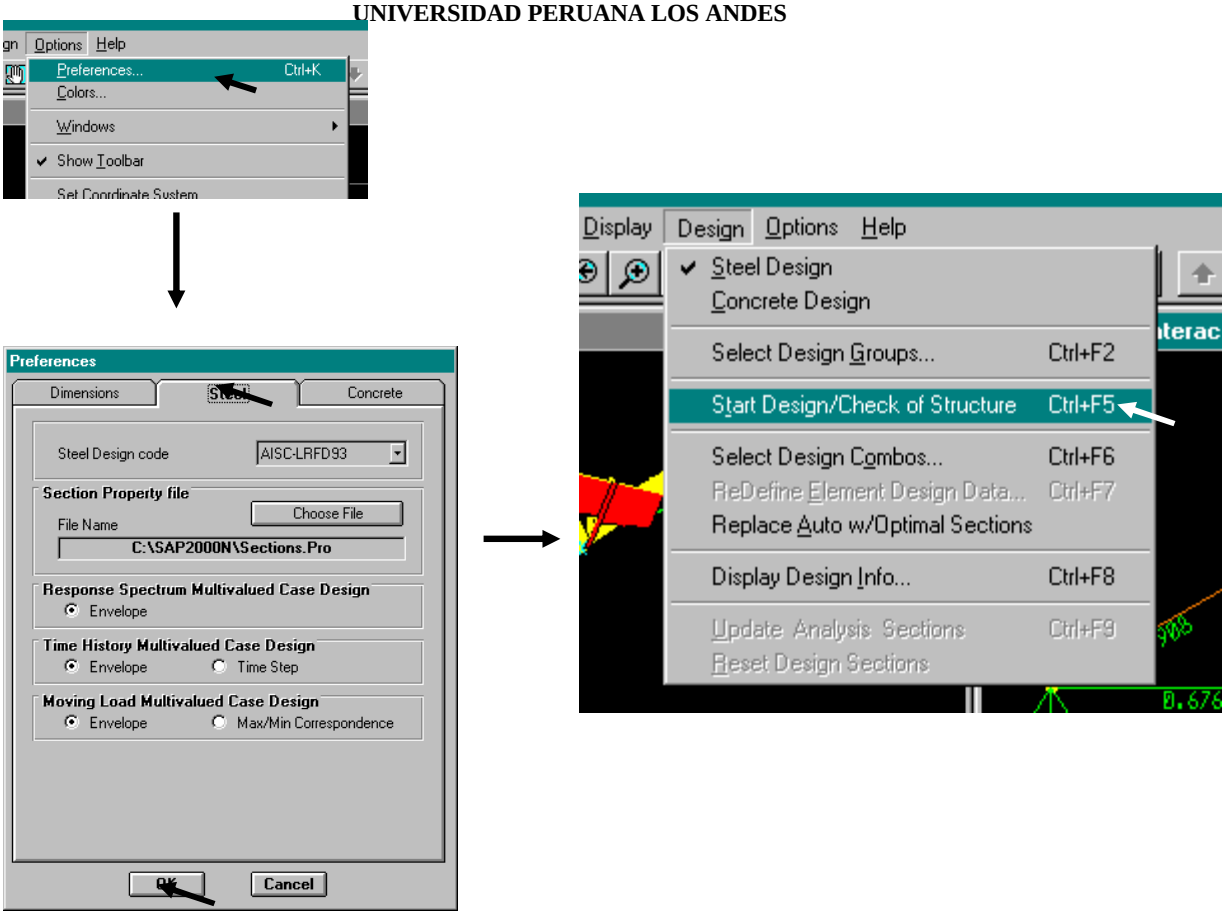
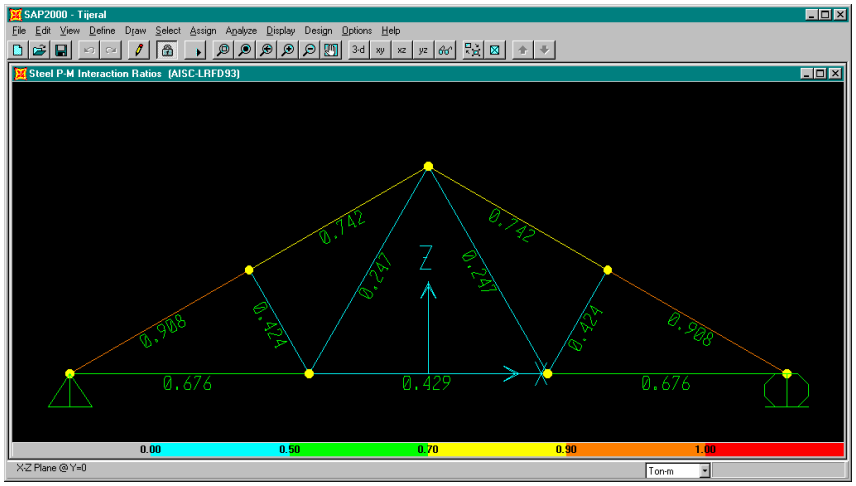


Los colores indican: En que medida las barras estan trabajando (niveles de esfuerzo)



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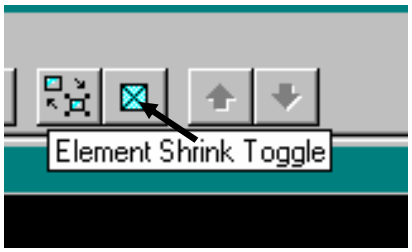
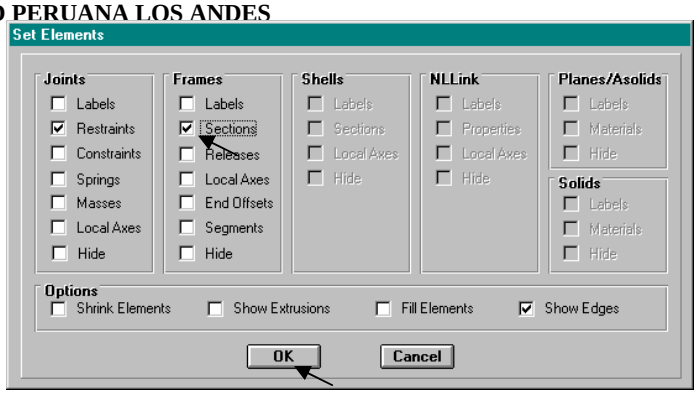
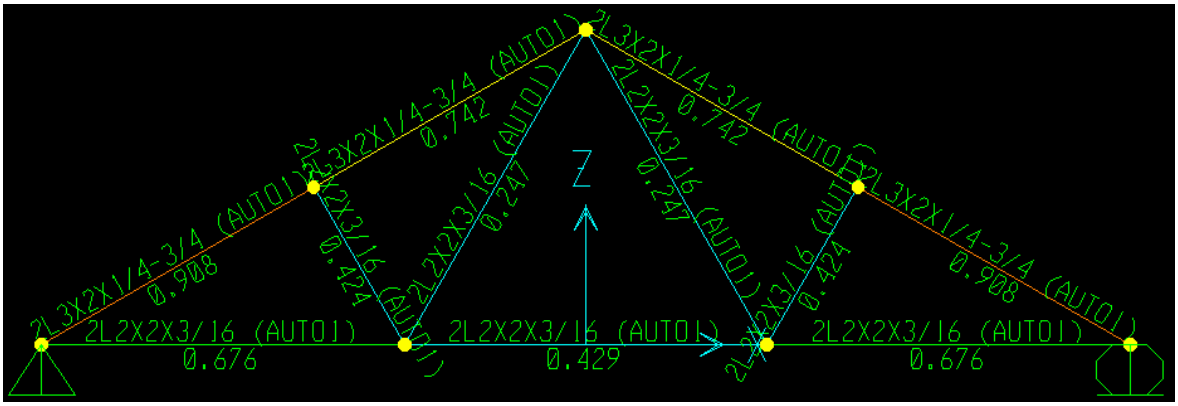
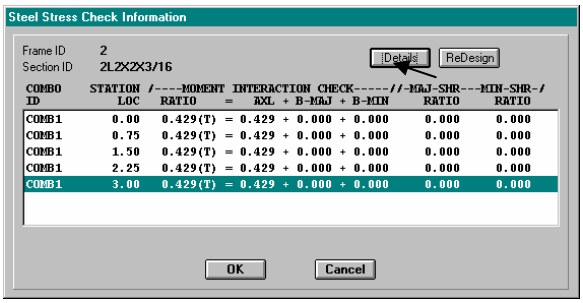
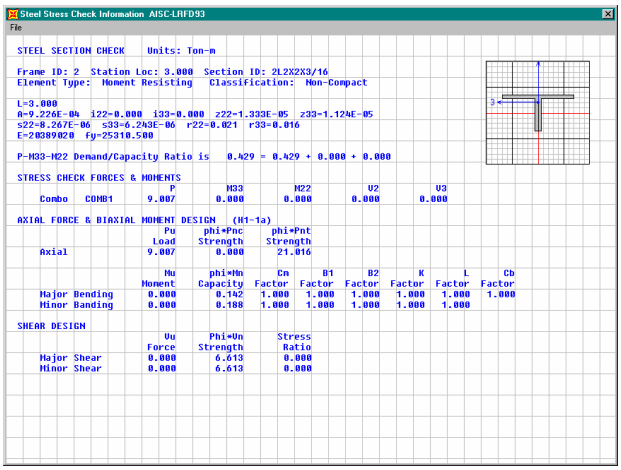






Con el boton derecho hacer click en cualquier barra





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