

Esta ACTIVIDAD DE CLASE deberá realizarse descargando el documento NB incompleto correspondiente a este ejercicio de clase. Deberás seleccionar en el siguiente panel el enlace correspondiente al número que se te ha asignado en la cuenta del material personalizado de la actividad **m1-a1a**.

16-CP-C1-Mathematica-C

001 EJERCICIO 3 CURSO 2004-5

EXERCISE 8.3

[A:15] Compute the “lumped” nodal forces f_1, f_2, f_3 and f_4 equivalent to the linearly-varying distributed surface load q for the finite element layout defined in Figure E8.3. Use both NbN and EbE lumping. For example, $f_1 = 3q/8$ for NbN. Check that $f_1 + f_2 + f_3 + f_4 = 6q$ for both schemes (why?). Note that q is given as a force per unit of vertical length.

Figure E8.3. Mesh layout for Exercise 8.3.

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Custom Material ready to use in the Mathematica (v8) environment									
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#51	#52	#53	#54	#55	#56	#57	#58	#59	#60
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Una vez completado, deberá subirse adecuadamente denominado a la cuenta de entrega personal, seleccionando del siguiente panel el enlace correspondiente al numero que se te ha asignado en la cuenta del material personalizado de la actividad **m1-a1a**.

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