Pregunta 1	
No s'ha respost encara	
Puntuat sobre 10,00	
We consider the Poisson heat diffusion in a piece meshed by the file meshClipQuiz.m given at Atenea. As it is a quadronvert it in a triangular one using the matlab function generateTriangFromQuadMesh . We suppose that the conductalso $f=1$, in some convenient units. Looking at the shape of the piece as can be seen in the figure, we suppose that on the left vertical and on the lower horizontal boundary parts of the piece are $T=133.00^{\circ}C$ and $T=50^{\circ}C$, respective following questions: (a) (3 points) $K_{400,400}$, the entry $(400,400)$ of the stiffness global matrix is	tivity is $k_c=1$ and at the temperature
○8.4009e+00	
Q9.2418e+00	
Q4.6750e+00	
OLeave it empty (no penalty)	
○1.1048e+00	
Hint1: The value of $K_{300,300}$ is 4.072380e+00 (b) (4 points) The minimum of the values of Q on the left vertical boundary is OLeave it empty (no penalty)	
O-2.8530e+01	
O-2.0179e+01	
Q-4.0338e+01	
O-2.1793e+01	
Hint2: The maximum in absolute value of Q over all the nodes is 2.1674e+01 (c) (3 points) Now consider that circle exterior boundary is no more isolated, and a natural condition $q_n=-0.40$ is Now the minimum of the values of Q on the left vertical boundary is:	applied instead.
O-1.8773e+01	
O-1.0807e+01	
Q-1.5563e+01	
OLeave it empty (no penalty)	
O-1.7453e+01	
Hint3: The maximum in absolute value of Q over all the nodes is 2.0269e+01	
Torna a començar Desa Emplena amb les respostes correctes Envia i acaba Tanca la previsualització	
Informació tècnica ▶	
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Opcions de l'intent	Expandeix-ho tot
Opcions de visualització	

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