$_{1}$  for triangle K in grid.triangles: for DoF  $\phi_i$  in K.dofs:  $b_h \left[\phi_i \cdot \mathtt{globalIndex}\right] += f \int_{\hat{K}} \hat{\phi}_i \left| \det \left(\hat{\nabla} T_K(\hat{x})\right) \right| \ d\hat{x}$ for DoF  $\phi_i$  in K.dofs:  $A_h[\phi_i.globalIndex, \phi_i.globalIndex] += ($  $a \int_{\hat{K}} \left( \hat{\nabla} T_K(\hat{x})^{-T} \hat{\nabla} \hat{\phi}_i \right) \cdot \left( \hat{\nabla} T_K(\hat{x})^{-T} \hat{\nabla} \hat{\phi}_j \right) \left| \det \left( \hat{\nabla} T_K(\hat{x}) \right) \right| d\hat{x} +$  $c \int_{\hat{K}} \hat{\phi}_i \cdot \hat{\phi}_j \left| \det \left( \hat{\nabla} T_K(\hat{x}) \right) \right| d\hat{x}$