```
function [i_append, j_append, val_append] = Assemble_NoBC(m,fespace)
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% $Code Version: 1.0$
% This function performs the act of assembling the local element stiffness
% matrix to the Global Stiffness matrix.
% Inputs : m

    local element stiffness matrix to assemble

          fespace - the finite element space of the corresponding element
% Outputs: i_append - the 'i' idx of the Global Sparse Matrix to append
          j_append - the 'j' idx of the Global Sparse Matrix to append
용
          val append - the value to add at the 'i,j' location of the
                        Global Sparse Matrix
% No Boundary conditions are applied in this assembly process
i append = [];
j append = [];
val_append = [];
n = length(m);
k = 1;
for i=1:n
   eq_num = fespace.ElemDOF(i);
       for j=1:n
           col = fespace.ElemDOF(j);
            i_append(k,1) = eq_num;
            j_append(k,1) = col;
            val_append(k,1) = m(i,j);
           k = k + 1;
       end
end
end
```

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