```matlab
%=========================================================================
% function computes the implicit representation of a full QR decomposition
% of a real m by n matrix A via Householder reflections.
% input : real m by n matrix A
% output : real m by n matrix V
%          real n by n matrix R
%=========================================================================

function [V,R] = house(A)

[m,n] = size(A);

R = A;

V = zeros(m,n);

for k=1:n

    x = R(k:m,k);
    V(k:m,k) = sign(x(1))*(norm(x,2))*eye(m-k+1,1) + x;
    V(k:m,k) = V(k:m,k)/(norm(V(k:m,k),2));
    R(k:m,k:n) = R(k:m,k:n) - 2*V(k:m,k)*(V(k:m,k)'*R(k:m,k:n));

end

end
```

Not enough input arguments.

Error in house (line 11)
[m,n] = size(A);

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