

```

function [V, R] = house(A)

[m, n] = size(A);
V = zeros(m, n);

for k = 1:n
    x = A(k:m, k);
    e = [1; zeros(length(x) - 1, 1)];

    if x(1) ~= 0
        S = sign(x(1));
    else
        S = 1;
    end

    v = S * norm(x) * e + x;
    v = v / norm(v);
    A(k:m, k:n) = A(k:m, k:n) - 2 * v * (v' * A(k:m, k:n));
    V(k:m, k) = v;

end

R = A;

V, R;

end

```

Not enough input arguments.

Error in house (line 3)
 [m, n] = size(A);

