

```
function x = lu_solve(L,U,b,pv)

N = size(L,1);

% Forward Solve
y = zeros(N,1);
for i = 1:N
    lk = L(i,1:i-1)';
    yk = y(1:i-1);
    y(i) = b(pv(i)) - lk'*yk;

end

% Backward Solve
x = zeros(N,1);
for i = N:-1:1
    m = U(i,i);
    xk = x(i+1:end);
    ak = U(i,i+1:end)';
    x(i) = (y(i) - ak'*xk)/m;
end

end
```

Not enough input arguments.

Error in lu\_solve (line 4)  
N = size(L,1);

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