```
function p = getPivot(A, n, i, NROW)
% Let p be the smallest integer such that i <= p <= n
% AND |a(NROW(p), i)| = max(|a(NROW(j), i)|) i <= j <= n
% Input: A - linear system
        n, i - lower and upper bounds of p
         NROW - row pointers
응
% Output: p - pivot
% initialize max (|a(NROW(j), i) |) j i
max_a = intmin;
% initialize pivot
p = intmax;
% find max (|a(NROW(j), i) |)
for j=i:n
    % if (|a(NROW(j), i)|) is larger than max_a, update max_a
    if abs(A(NROW(j), i)) > max_a
       \max_a = abs(A(NROW(j), i));
    end
end
% find pivot
for it=i:n
    % the pivot is the first instance in which
     |a(NROW(p), i)| = max(|a(NROW(j), i)|) 
    if abs(A(NROW(it), i)) == max_a
        p = it;
        return
    end
end
% error message
if p == intmax || max_a == intmin
    disp('WARNING: PIVOT NOT FOUND');
end
Not enough input arguments.
Error in getPivot (line 17)
for j=i:n
```

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