

```
function [x] = bubblesort2(x)
%halil bayraktar
%2018 scientific computing
tic
n=length(x); %n=3
for j = n-1:-1:1; % j=2,1
    for num = 1:j; %j=2 num 1,2 then j=1 num=1
        if x(num) > x(num+1);
            temporary = x(num+1);
            x(num+1) = x(num)
            x(num) = temporary;
        end
    end
    disp(x)
end
end
toc
end
```