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Stock Vectors homework problem 4

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```
clear;  
close all;  
clc;
```

Stocks

```
stock1 = [19 18 21 21 25 19 17 21 27 29];  
stock2 = [22 14 20 19 24 18 16 25 28 27];  
stock3 = [17 13 22 23 19 17 20 21 21 28];
```

Calculations

```
format short  
  
a = stock1 > stock2 & stock1 > stock3;  
q1 = nnz(a); % nnz(x) adds up the number of true values  
  
b = stock1 > stock2 | stock3; % Stock one greater than stock 2 or 3  
q2 = nnz(b);  
  
c = stock1 > stock2 & stock1 < stock3; % Stock one greater than 2,  
    less than 3  
q3 = nnz(c);
```

Output statements

```
fprintf('A) Stock 1 was higher than stocks 2 and 3 for %g days\n', q1)  
fprintf('B) Stock 1 was higher than stock 2 OR 3 for %g days\n', q2)  
fprintf('C) Stock 1 is higher than stock 2 and less than stock 3 for  
    %g days\n', q3)
```

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