

```
% test vectors, exs.:  
% x=[1:10]; y=x; q=x;  
% --> result = -1.3168e+13  
% x=ones(1,10); y=x; q=x;  
% --> result = 35
```

```
function result=fc3(q,x,y)  
    N=length(x); %same length: x, y  
    M=length(q);  
    S=0;  
    for i=1:N-1  
        S=S+x(i)+3*y(i+1);  
    end  
    P=1;  
    for i=1:M  
        P=P*(q(i)*q(i));  
    end  
    result=S-P;  
end
```