```
b = [0.537667139546100 - 1.30768829630527i, 1.83388501459509 -
0.433592022305684i, -2.25884686100365 + 0.342624466538650i, 0.862173320368121
+ 3.57839693972576i, 0.318765239858981 + 2.76943702988488i];
x = [0.0915735525189070 + 0.140903448980048i];
q = b(:);
m = length(b);
                          First of all, I made a copy of given data "b" which is
R = real(x);
                          called "q" for computing derivation of b(x). The
I = imag(x);
                          Horner Rule is used for derivation of a complex
v = 2*R;
                          number.
u = -1*(R*R + I*I);
q(1) = b(1);
q(2) = b(2) + v*q(1);
for k = 3:m-1,
    q(k) = b(k) + v*q(k-1) + u*q(k-2);
end
c = q(m-1);
e = b(m) + u*q(m-2);
p0 = (c*R) + e;
                           Then I computed the q(x) (which called "h" in code) that
p1 = c*I;
                           was needed to evaluate b^{(1)}(x)
p = p0 + p1*1i;
w = q(1:m-2);
h = w(:);
f = length(h);
h(1) = w(1);
h(2) = w(2) + v*w(1);
for k = 3:f-1,
    h(k) = w(k) + v*h(k-1) + u*h(k-2);
end
c1 = h(f-1);
e1 = w(f) + u*h(f-2);
q0 = c1*R+e1;
                                     "res" is the result of b^{(1)}(x) which is the input of a^{(2)}(x)
q1 = c1*I;
res = c+2*I*(q0+q1*1i)*1i;
a = [1.34988694015652, 3.03492346633185, 0.725404224946106,
-0.0630548731896562, 0.714742903826096, -0.204966058299775, -0.124144348216312];
x = res ;
n = length(a);
factj = 1;
for j = 0:2,
                                             The Horner Rule is used for
   for i = 2:n-j,
                                             computing derivation of real
       a(i) = a(i) + x*a(i-1);
                                             numbers
   a(n-j)=factj*a(n-j);
   factj = factj*(j+1);
end
o = a(n-2);
disp(round(o,5,'significant'));
```