```
Dutput Calculation: -
Coefficients: {16'd1, 16'd2, 16'd3, 16'd4}
 Xn = {100, 200, -50, 25,0}
   16 bit Decimal Representation for our understanding
Llock
                                      yin
\int L \rightarrow 100(1) + 0(2) + 0(3) + 0(4) = 100
II \rightarrow 200(1) + 100(2) + 0(3) + 0(4) = 400
\Gamma -50(1)+200(2)+100(3)+0(4)=650
          25(1) 0+ (-50)(2) +200(3) +100(4) = 925
           0(1) + (25)(2) + (-50)(3) + 200(4)=700
几分
          0(1)+0(2)+(25)(3)+(-50)(4)=-125
         0(1)+0(2)+0(3)+25(4) = 100
         0(1) +0(2) +0(3) + 0(4) =0
: Yn = {-16'd 100, 16'd 400, 16'd 650, 16'd 925, 16'd 700,
                16'd-125, 16'd 100,16'd0, ....}
```