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```
function p=newtonPoly(a,xData,x) % Returns value of Newton's polynomial at x.  
%USAGE:p=newtonPoly(a,xData,x) % a = coefficient array of the polynomial; % must be  
computed first by newtonCoeff. % xData = x-coordinates of data points. n = length(xData); p =  
a(n); for k=1:n-1; p = a(n-k) + (x - xData(n-k))*p; end.
```

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