

Filename: POLYMLT+

ClrText↵

" ":Locate 1,1,"Highest poly' order":?→A↵

" ":Locate 1,4,"Enter all coeffs"↵

" ":Locate 1,5,"in order from highest"↵

" ":Locate 1,6,"to lowest power..."↵

{3,A+1}→Dim Mat A↵

For 0→I To A↵

" ":Locate 1,7,"Coeff, order":Locate 14,7,A-I:??→Mat A[1,I+1]↵

Next↵

ClrText↵

" ":Locate 1,1,"Second poly' order":?→B↵

" ":Locate 1,4,"Enter all coeffs"↵

" ":Locate 1,5,"in order from highest"↵

" ":Locate 1,6,"to lowest power..."↵

For A-B→I To A↵

" ":Locate 1,7,"Coeff, order":Locate 14,7,A-I:??→Mat A[2,I+1]↵

Next↵

"Multiplying..."↵

Dim Mat A:List Ans[2]→A:\*Row 0,A,3↵

0→J:Do:1+J→J:LpWhile Mat A[2,J]=0↵

A-J→B:A-1→A:A+B+1→N↵

{0,0,0}→List 6:For 1→J To B:List→Mat(List 6):Augment(Mat Ans,Mat A)→Mat A:Next↵

For N-A→I To N↵

For N-B→J To N↵

I+J-N→K↵

Mat A[1,I]Mat A[2,J]+Mat A[3,K]→Mat A[3,K]↵

Next:Next↵

ClrText↵

Locate 1,2,"Coeff matrix rows:"↵

Locate 1,3,"1: 1st polynomial"↵

Locate 1,4,"2: 2nd polynomial"↵

Locate 1,5,"3: Product"↵

Mat A