// lagranges

X=[10 14 19….]

Y=[7.39 11 14.2…..]

//given value is

Xg=15

//no.of points

N=length(y)

Q=0

For k=1:n

If (k~=i) then

P\*poly(x(k),”x”,”roots”)/x(i)-x(k);

End

End

Q=q+p\*y(i);

End

Q

//estimated value of yg is

Horner(q,xg)

Ans=