

Roll number: 2007001

Using the SHorner algorithm, find the result after 5 iterations.

Polynomial coefficients (A) = [-9.16, -8.02, -0.73, 4.91, 2.38, 7.68, -4.55, 1.49]

Exponents (E) = [0, 1, 2, 2, 3, 4, 4, 5]

Value (v) = -3.68

Roll number: 2007002

Using the StraightEval algorithm, find the intermediate result after 7 iterations.

Polynomial coefficients (A) = [9.66, 4.27, 2.25, 0.85, -6.58, -0.7, 1.87, -9.04, 7.07, -3.55]

Value (v) = 3.93

Roll number: 2007003

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [9.16, 7.3, 8.76, 2.76, 3.85, 1.81, 8.1, 8.25]

Exponents (E) = [0, 0, 2, 3, 3, 3, 3, 5]

Value (v) = -2.79

Roll number: 2007004

Using Horner's method, find the intermediate result after 6 iterations.

Polynomial coefficients (A) = [-6.67, 7.41, 6.91, 7.06, -4.21, 3.04, 4.74, -8.15, -6.95, -3.05]

Value (v) = -1.48

Roll number: 2007005

Using the NStraightEval algorithm, find the result after 5 iterations.

Polynomial coefficients (A) = [-5.32, -0.04, -7.95, 2.35, -2.47, -1.15, -8.91, 7.71]

Exponents (E) = [3, 3, 3, 3, 4, 5, 5, 5]

Value (v) = 2.46

Roll number: 2007006

Using Lagrange Interpolation, find the value of the polynomial at $x = 22.07$.

Given points:

$x_points = [6, 7, 10, 13, 15, 18, 19, 28]$

$y_points = [7.5, 1.13, 6.54, 7.11, 6.84, 9.39, 8.78, 3.5]$

The result should be rounded to 4 decimal places.

Roll number: 2007007

Using the StraightEval algorithm, find the intermediate result after 4 iterations.

Polynomial coefficients (A) = [-6.94, 7.8, -1.84, 5.54, -4.78, -5.68, 3.8, 3.41, 6.71, 7.3]

Value (v) = -0.71

Roll number: 2007008

Using Lagrange Interpolation, find the value of the polynomial at $x = 4.96$.

Given points:

$x_points = [4, 7, 11, 14, 17, 19, 23, 27]$

$y_points = [7.48, 6.3, 1.47, 5.84, 7.64, 9.77, 1.56, 8.49]$

The result should be rounded to 4 decimal places.

Roll number: 2007009

Using the StraightEval algorithm, find the intermediate result after 9 iterations.

Polynomial coefficients (A) = [9.84, 3.11, 7.19, 8.42, 1.97, 6.4, 0.22, 5.5, -6.94, -3.93]
Value (v) = -2.67

Roll number: 2007010

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [-9.68, -4.28, 8.43, -3.29, -0.29, 7.52, 0.3, -6.98]
Exponents (E) = [1, 1, 1, 2, 2, 3, 5, 5]
Value (v) = -3.98

Roll number: 2007011

Using the SHorner algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [-0.92, 3.69, -0.72, 3.38, -6.27, 6.04, 5.78, -9.57]
Exponents (E) = [0, 0, 0, 1, 2, 3, 5, 5]
Value (v) = -4.11

Roll number: 2007012

Using the SStraightEval algorithm, find the intermediate result after 3 iterations.

Coefficients (A) = [-2.35, 6.04, 5.56, -2.97, -8.05, -6.79, -4.71, -3.19]
Exponents (E) = [0, 3, 3, 4, 4, 5, 5, 5]
Value (v) = -2.64

Roll number: 2007013

Using the NStraightEval algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [4.63, -8.38, 5.62, 8.19, -6.6, 9.87, -7.66, 5.62]

Exponents (E) = [0, 1, 1, 2, 2, 2, 5, 5]

Value (v) = 1.52

Roll number: 2007014

Using Horner's method, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = [6.77, -5.94, 5.9, 0.39, -8.53, 3.8, -7.17, 7.05, 0.68, 3.35]

Value (v) = -1.31

Roll number: 2007015

Using the SStraightEval algorithm, find the intermediate result after 3 iterations.

Coefficients (A) = [-5.7, -4.51, -2.68, -2.84, -0.63, 7.83, 5.06, 0.6]

Exponents (E) = [0, 1, 2, 3, 3, 3, 4, 5]

Value (v) = 1.71

Roll number: 2007016

Using the SStraightEval algorithm, find the intermediate result after 4 iterations.

Coefficients (A) = [-4.37, 7.05, -2.52, 3.52, 4.89, 2.57, -8.3, 7.27]

Exponents (E) = [0, 0, 0, 2, 2, 3, 5, 5]

Value (v) = -2.06

Roll number: 2007017

Using the StraightEval algorithm, find the intermediate result after 7 iterations.

Polynomial coefficients (A) = [4.59, 7.42, -1.1, -0.87, -1.69, 1.9, 6.08, -3.12, 8.37, 9.26]
Value (v) = -4.62

Roll number: 2007018

Using the SHorner algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = [4.08, 9.72, -3.69, 0.62, 0.84, -2.12, 2.52, -8.32]
Exponents (E) = [0, 1, 1, 1, 2, 2, 4, 5]
Value (v) = 4.04

Roll number: 2007019

Using Horner's method, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [-6.99, -0.02, 5.93, -3.82, -8.96, -4.61, 5.41, 0.06, -3.24, 3.69]
Value (v) = -2.07

Roll number: 2007020

Using the SStraightEval algorithm, find the intermediate result after 8 iterations.

Coefficients (A) = [-7.51, 7.78, 5.58, 9.91, -5.85, -6.5, 2.33, -0.69]
Exponents (E) = [0, 1, 1, 2, 2, 3, 4, 4]
Value (v) = -1.48

Roll number: 2007021

Using the SStraightEval algorithm, find the intermediate result after 3 iterations.

Coefficients (A) = [-3.25, -3.01, -9.27, -8.8, -9.22, -0.73, 0.73, -3.59]

Exponents (E) = [0, 1, 1, 2, 2, 3, 3, 5]

Value (v) = 4.7

Roll number: 2007022

Using Lagrange Interpolation, find the value of the polynomial at $x = 16.5$.

Given points:

$x_points = [4, 8, 11, 16, 17, 19, 26, 27]$

$y_points = [4.01, 9.89, 5.2, 9.26, 2.93, 8.63, 3.89, 4.69]$

The result should be rounded to 4 decimal places.

Roll number: 2007023

Using the NStraightEval algorithm, find the result after 2 iterations.

Polynomial coefficients (A) = [-8.97, 2.87, 7.33, 4.34, -7.18, 5.08, 4.17, 0.73]

Exponents (E) = [0, 0, 0, 1, 1, 3, 4, 4]

Value (v) = 2.49

Roll number: 2007024

Using the StraightEval algorithm, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [9.59, -8.91, -4.53, -8.41, -8.41, 5.53, -7.81, -1.58, -8.96, -4.22]

Value (v) = 3.16

Roll number: 2007025

Using the NStraightEval algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [6.57, -2.01, -8.94, 0.34, 1.04, 9.48, -2.22, -5.36]

Exponents (E) = [0, 1, 1, 2, 2, 2, 5, 5]

Value (v) = 0.2

Roll number: 2007026

Using Lagrange Interpolation, find the value of the polynomial at $x = 8.46$.

Given points:

x_points = [1, 2, 6, 8, 10, 12, 24, 28]

y_points = [6.45, 7.87, 1.3, 7.59, 9.42, 1.7, 8.79, 8.19]

The result should be rounded to 4 decimal places.

Roll number: 2007027

Using the SHorner algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = [3.61, -6.23, -3.3, -8.97, 6.48, 5.4, 7.22, -7.4]

Exponents (E) = [2, 2, 2, 2, 3, 3, 3, 4]

Value (v) = -4.44

Roll number: 2007028

Using the NStraightEval algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [-4.47, 7.7, -0.65, -6.61, 4.4, -6.57, 5.42, 2.6]

Exponents (E) = [0, 1, 1, 2, 3, 3, 3, 5]

Value (v) = 1.09

Roll number: 2007029

Using Lagrange Interpolation, find the value of the polynomial at $x = 21.28$.

Given points:

$x_points = [3, 7, 8, 10, 13, 20, 21, 23]$

$y_points = [7.5, 3.02, 9.66, 5.34, 8.4, 3.16, 5.57, 1.15]$

The result should be rounded to 4 decimal places.

Roll number: 2007030

Using Lagrange Interpolation, find the value of the polynomial at $x = 28.61$.

Given points:

$x_points = [8, 9, 11, 18, 24, 27, 29, 30]$

$y_points = [4.85, 2.67, 5.63, 1.07, 9.86, 8.38, 5.77, 8.97]$

The result should be rounded to 4 decimal places.

Roll number: 2007031

Using the SStraightEval algorithm, find the intermediate result after 8 iterations.

Coefficients (A) = $[-8.21, 2.74, -9.4, -7.12, -9.56, 9.8, -8.71, 7.64]$

Exponents (E) = $[0, 1, 1, 2, 3, 3, 3, 5]$

Value (v) = -2.49

Roll number: 2007032

Using the SStraightEval algorithm, find the intermediate result after 5 iterations.

Coefficients (A) = $[-0.29, 1.21, -1.61, -7.77, -6.16, 2.89, 3.89, -9.55]$

Exponents (E) = $[0, 0, 1, 3, 4, 4, 5, 5]$

Value (v) = -1.11

Roll number: 2007033

Using Lagrange Interpolation, find the value of the polynomial at $x = 15.67$.

Given points:

$x_points = [3, 5, 8, 9, 10, 15, 17, 23]$

$y_points = [5.37, 3.1, 5.42, 1.24, 6.4, 4.95, 3.53, 2.54]$

The result should be rounded to 4 decimal places.

Roll number: 2007034

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [3.66, 5.15, 8.76, -6.24, -2.06, -2.4, 8.33, 7.9]

Exponents (E) = [0, 0, 0, 2, 3, 4, 4, 5]

Value (v) = 1.27

Roll number: 2007035

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [0.56, 1.05, 9.68, -6.81, -0.57, 0.52, 9.32, -7.53]

Exponents (E) = [0, 0, 2, 2, 3, 3, 5, 5]

Value (v) = -1.73

Roll number: 2007036

Using Lagrange Interpolation, find the value of the polynomial at $x = 20.03$.

Given points:

$x_points = [9, 10, 11, 14, 15, 21, 25, 26]$

$y_points = [6.11, 8.66, 9.42, 8.36, 4.93, 2.52, 2.14, 1.8]$

The result should be rounded to 4 decimal places.

Roll number: 2007037

Using the SStraightEval algorithm, find the intermediate result after 5 iterations.

Coefficients (A) = [5.72, 8.1, 8.47, -3.66, 8.38, 2.49, 3.07, -7.35]

Exponents (E) = [0, 0, 0, 0, 1, 2, 3, 4]

Value (v) = -1.09

Roll number: 2007038

Using the SStraightEval algorithm, find the intermediate result after 5 iterations.

Coefficients (A) = [7.4, 7.0, -5.89, -5.58, -4.48, -3.69, -6.22, -8.15]

Exponents (E) = [0, 1, 2, 3, 3, 4, 5, 5]

Value (v) = -0.89

Roll number: 2007039

Using the SStraightEval algorithm, find the intermediate result after 3 iterations.

Coefficients (A) = [6.11, -5.48, 6.6, 4.55, 0.94, -6.57, 2.24, 3.99]

Exponents (E) = [0, 0, 0, 1, 1, 3, 4, 5]

Value (v) = -3.22

Roll number: 2007040

Using the SHorner algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [9.67, -0.89, -7.23, -9.79, -3.34, -1.51, -0.66, -5.75]

Exponents (E) = [0, 1, 2, 2, 3, 3, 5, 5]

Value (v) = 3.68

Roll number: 2007041

Using the NStraightEval algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [-0.64, -1.88, 9.81, -6.41, 9.68, 2.72, 0.2, -2.76]

Exponents (E) = [0, 0, 1, 1, 3, 3, 4, 5]

Value (v) = -4.78

Roll number: 2007042

Using Lagrange Interpolation, find the value of the polynomial at $x = 19.94$.

Given points:

$x_points = [4, 7, 10, 11, 18, 19, 23, 30]$

$y_points = [5.09, 9.76, 1.48, 3.02, 5.84, 3.87, 5.51, 3.2]$

The result should be rounded to 4 decimal places.

Roll number: 2007043

Using the NStraightEval algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [0.57, 3.23, 6.91, -0.19, -5.74, 1.36, -2.5, 7.62]

Exponents (E) = [0, 1, 3, 4, 4, 4, 5, 5]

Value (v) = 3.01

Roll number: 2007044

Using Lagrange Interpolation, find the value of the polynomial at $x = 18.5$.

Given points:

$x_points = [7, 9, 11, 18, 19, 21, 24, 29]$

$y_points = [8.79, 2.07, 1.67, 5.24, 7.2, 2.63, 9.84, 7.9]$

The result should be rounded to 4 decimal places.

Roll number: 2007045

Using Horner's method, find the intermediate result after 9 iterations.

Polynomial coefficients (A) = $[-2.92, -6.26, 0.51, 6.69, 2.06, -6.85, 9.11, 2.27, -4.78, 0.24]$

Value (v) = -3.53

Roll number: 2007046

Using the SStraightEval algorithm, find the intermediate result after 4 iterations.

Coefficients (A) = $[-9.35, 4.4, -9.68, -5.62, 6.03, 5.38, -4.33, 3.3]$

Exponents (E) = $[0, 0, 0, 1, 2, 3, 5, 5]$

Value (v) = 2.83

Roll number: 2007047

Using the SHorner algorithm, find the result after 5 iterations.

Polynomial coefficients (A) = $[0.35, -5.16, -5.72, 1.93, 2.44, 3.49, -8.3, -7.51]$

Exponents (E) = $[0, 0, 3, 3, 3, 5, 5, 5]$

Value (v) = -0.15

Roll number: 2007048

Using the SHorner algorithm, find the result after 5 iterations.

Polynomial coefficients (A) = [-5.28, 2.68, -0.27, 9.84, -5.24, 9.65, -1.07, 5.89]

Exponents (E) = [0, 0, 0, 1, 1, 1, 4, 5]

Value (v) = 0.09

Roll number: 2007049

Using the StraightEval algorithm, find the intermediate result after 4 iterations.

Polynomial coefficients (A) = [-8.35, 2.11, -9.13, 4.78, 4.48, -7.0, 4.55, -7.62, 1.82, -9.62]

Value (v) = 1.7

Roll number: 2007050

Using the StraightEval algorithm, find the intermediate result after 6 iterations.

Polynomial coefficients (A) = [9.75, -8.28, 9.09, -7.25, -9.83, -6.94, 1.98, 8.02, -1.34, 6.16]

Value (v) = -2.51

Roll number: 2007051

Using the StraightEval algorithm, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [-8.94, 7.52, -1.21, 0.13, 6.59, 2.33, -9.0, -7.55, -7.53, -4.45]

Value (v) = -2.48

Roll number: 2007052

Using Horner's method, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = [3.76, 0.36, -8.46, -6.56, -6.04, -1.18, 4.52, 3.1, 9.04, 7.85]
Value (v) = 2.56

Roll number: 2007053

Using the NStraightEval algorithm, find the result after 2 iterations.

Polynomial coefficients (A) = [0.56, -7.79, 3.01, 8.2, 5.94, 1.41, -9.44, -1.01]
Exponents (E) = [0, 0, 2, 3, 3, 4, 5, 5]
Value (v) = -1.54

Roll number: 2007054

Using the SHorner algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [0.68, 6.79, -2.48, 6.68, -8.55, 3.76, -6.51, 5.96]
Exponents (E) = [0, 0, 1, 3, 4, 5, 5, 5]
Value (v) = -1.75

Roll number: 2007055

Using Horner's method, find the intermediate result after 4 iterations.

Polynomial coefficients (A) = [-3.97, 2.36, -2.18, 7.89, 5.41, -5.22, -7.63, 3.56, -0.7, 3.07]
Value (v) = 4.04

Roll number: 2007056

Using the SStraightEval algorithm, find the intermediate result after 7 iterations.

Coefficients (A) = [-9.77, -2.08, 3.9, -0.35, -5.05, 3.82, -6.58, 0.71]

Exponents (E) = [0, 2, 3, 3, 3, 3, 4, 5]

Value (v) = -1.4

Roll number: 2007057

Using Horner's method, find the intermediate result after 4 iterations.

Polynomial coefficients (A) = [-8.32, -8.46, -0.32, 5.19, -8.45, -2.37, 6.15, -5.65, -4.34, 1.17]

Value (v) = 2.65

Roll number: 2007058

Using the NStraightEval algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = [-0.16, 2.93, -1.74, -3.71, -9.99, -4.62, -9.74, -4.35]

Exponents (E) = [1, 2, 3, 3, 4, 4, 4, 4]

Value (v) = 1.77

Roll number: 2007059

Using the SStraightEval algorithm, find the intermediate result after 7 iterations.

Coefficients (A) = [-2.2, -0.61, -0.05, 0.66, -2.73, 7.36, 2.84, -6.49]

Exponents (E) = [0, 0, 0, 1, 2, 3, 3, 3]

Value (v) = 4.72

Roll number: 2007060

Using Lagrange Interpolation, find the value of the polynomial at $x = 22.68$.

Given points:

$x_points = [3, 5, 9, 12, 15, 25, 27, 30]$

$y_points = [7.63, 9.85, 2.9, 5.42, 6.02, 8.04, 4.81, 7.75]$

The result should be rounded to 4 decimal places.

Roll number: 2007061

Using Lagrange Interpolation, find the value of the polynomial at $x = 21.39$.

Given points:

$x_points = [2, 9, 16, 21, 24, 26, 29, 30]$

$y_points = [1.97, 4.67, 9.16, 2.96, 3.55, 5.99, 3.75, 2.56]$

The result should be rounded to 4 decimal places.

Roll number: 2007062

Using the NStraightEval algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = $[-8.82, -9.49, 3.64, 8.68, 4.7, 5.31, 2.58, 9.71]$

Exponents (E) = $[0, 1, 2, 2, 2, 3, 5, 5]$

Value (v) = -2.22

Roll number: 2007063

Using Horner's method, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = $[-0.85, 0.69, -3.54, 3.95, -4.88, -1.59, 1.86, -2.7, -5.34, -8.78]$

Value (v) = 1.03

Roll number: 2007064

Using Lagrange Interpolation, find the value of the polynomial at $x = 19.78$.

Given points:

$x_points = [5, 9, 12, 13, 16, 18, 21, 27]$

$y_points = [6.66, 3.81, 2.97, 4.3, 4.25, 4.91, 7.24, 1.84]$

The result should be rounded to 4 decimal places.

Roll number: 2007065

Using the SStraightEval algorithm, find the intermediate result after 4 iterations.

Coefficients (A) = [6.91, 9.96, 5.83, -3.02, -7.16, -1.23, 8.99, 3.11]

Exponents (E) = [0, 0, 1, 1, 1, 2, 3, 4]

Value (v) = 4.27

Roll number: 2007066

Using Horner's method, find the intermediate result after 6 iterations.

Polynomial coefficients (A) = [9.26, -2.78, 2.36, -5.27, -8.46, 0.93, 3.27, -6.64, 3.34, 6.13]

Value (v) = 0.97

Roll number: 2007067

Using the SStraightEval algorithm, find the intermediate result after 6 iterations.

Coefficients (A) = [3.04, 6.45, -5.17, 1.78, -6.99, -9.4, -5.09, -6.57]

Exponents (E) = [1, 1, 2, 3, 4, 4, 4, 5]

Value (v) = -1.74

Roll number: 2007068

Using the SStraightEval algorithm, find the intermediate result after 4 iterations.

Coefficients (A) = [3.76, -6.1, -5.5, -7.85, -7.92, -9.22, 5.59, -7.24]

Exponents (E) = [0, 0, 1, 3, 4, 4, 5, 5]

Value (v) = -4.4

Roll number: 2007069

Using the StraightEval algorithm, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [4.8, -2.71, -6.79, 0.7, -7.45, 8.19, 5.21, -5.65, -5.89, -7.56]

Value (v) = -1.63

Roll number: 2007070

Using the SHorner algorithm, find the result after 5 iterations.

Polynomial coefficients (A) = [-7.78, 8.48, 5.79, -8.4, -6.97, 9.69, 0.55, -5.82]

Exponents (E) = [0, 0, 1, 2, 2, 3, 4, 4]

Value (v) = -3.98

Roll number: 2007071

Using Lagrange Interpolation, find the value of the polynomial at $x = 26.44$.

Given points:

$x_points = [2, 6, 10, 14, 17, 25, 28, 29]$

$y_points = [3.92, 2.17, 1.8, 5.57, 5.55, 3.21, 8.26, 4.43]$

The result should be rounded to 4 decimal places.

Roll number: 2007072

Using the StraightEval algorithm, find the intermediate result after 6 iterations.

Polynomial coefficients (A) = [4.49, 3.7, -1.23, -5.61, -9.54, 9.35, -9.84, -0.4, -9.02, -1.46]
Value (v) = -4.49

Roll number: 2007073

Using the SStraightEval algorithm, find the intermediate result after 3 iterations.

Coefficients (A) = [7.21, 1.64, 7.0, -7.6, 7.21, 8.99, 1.89, -0.31]
Exponents (E) = [0, 1, 1, 2, 3, 4, 5, 5]
Value (v) = 4.43

Roll number: 2007074

Using the SHorner algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [6.9, -6.93, -0.66, 5.78, 6.58, 0.22, -7.62, -6.29]
Exponents (E) = [1, 1, 2, 3, 3, 4, 5, 5]
Value (v) = 4.11

Roll number: 2007075

Using Lagrange Interpolation, find the value of the polynomial at $x = 13.85$.

Given points:

$x_points = [4, 5, 13, 16, 17, 20, 23, 30]$
 $y_points = [2.17, 2.73, 6.77, 3.61, 5.91, 9.79, 3.94, 4.14]$

The result should be rounded to 4 decimal places.

Roll number: 2007076

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [-7.7, -4.21, 6.65, 0.54, -7.8, 5.34, -4.19, 7.81]

Exponents (E) = [1, 2, 2, 2, 3, 3, 3, 3]

Value (v) = -1.21

Roll number: 2007077

Using the NStraightEval algorithm, find the result after 2 iterations.

Polynomial coefficients (A) = [2.95, 7.82, 0.52, 7.29, -7.79, -7.5, 9.1, -8.93]

Exponents (E) = [0, 1, 1, 1, 2, 3, 5, 5]

Value (v) = 2.05

Roll number: 2007078

Using the SHorner algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = [9.45, 9.94, 6.98, -6.79, 0.35, 3.67, 6.03, -6.08]

Exponents (E) = [0, 1, 2, 2, 2, 3, 4, 4]

Value (v) = -4.46

Roll number: 2007079

Using the NStraightEval algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [-6.91, 6.44, 8.34, 9.8, -9.55, -9.39, -7.76, 1.15]

Exponents (E) = [0, 0, 1, 1, 1, 2, 4, 5]

Value (v) = 4.14

Roll number: 2007080

Using Horner's method, find the intermediate result after 7 iterations.

Polynomial coefficients (A) = [1.41, -4.72, 0.48, -5.23, -8.46, 8.16, 3.17, -2.84, -1.1, -9.29]
Value (v) = 2.61

Roll number: 2007081

Using Lagrange Interpolation, find the value of the polynomial at $x = 6.46$.

Given points:

$x_points = [1, 3, 9, 12, 13, 15, 22, 29]$

$y_points = [9.03, 1.21, 2.65, 3.28, 4.99, 8.94, 8.68, 2.83]$

The result should be rounded to 4 decimal places.

Roll number: 2007082

Using the NStraightEval algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [-5.15, -6.02, 8.25, -8.85, 9.32, -5.76, -4.71, -0.3]

Exponents (E) = [1, 1, 2, 2, 3, 4, 4, 5]

Value (v) = -4.12

Roll number: 2007083

Using Horner's method, find the intermediate result after 9 iterations.

Polynomial coefficients (A) = [7.26, 4.53, 9.9, -6.66, 9.54, -0.28, -3.55, 0.93, 2.07, 6.47]

Value (v) = 4.83

Roll number: 2007084

Using Lagrange Interpolation, find the value of the polynomial at $x = 15.22$.

Given points:

$x_points = [6, 9, 10, 13, 14, 18, 23, 26]$

$y_points = [5.25, 4.73, 4.51, 1.25, 7.34, 4.39, 2.11, 5.2]$

The result should be rounded to 4 decimal places.

Roll number: 2007085

Using the StraightEval algorithm, find the intermediate result after 9 iterations.

Polynomial coefficients (A) = $[-3.91, -5.07, -0.73, -2.27, 3.49, 0.55, -4.68, 7.92, -8.94, 9.42]$

Value (v) = -2.24

Roll number: 2007086

Using Lagrange Interpolation, find the value of the polynomial at $x = 12.81$.

Given points:

$x_points = [6, 8, 13, 14, 20, 24, 26, 27]$

$y_points = [5.04, 6.74, 1.1, 5.81, 3.67, 3.31, 1.84, 7.75]$

The result should be rounded to 4 decimal places.

Roll number: 2007087

Using the StraightEval algorithm, find the intermediate result after 9 iterations.

Polynomial coefficients (A) = $[9.13, -9.42, -7.99, -6.21, 2.31, -0.25, 9.7, -2.84, 0.68, -0.95]$

Value (v) = -1.45

Roll number: 2007088

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [9.07, -0.56, -9.26, -8.09, 3.27, 7.65, -6.77, 8.85]
Exponents (E) = [0, 1, 1, 2, 2, 3, 3, 4]
Value (v) = 2.48

Roll number: 2007089

Using the SStraightEval algorithm, find the intermediate result after 8 iterations.

Coefficients (A) = [6.33, 6.02, -6.76, 7.07, 9.84, -2.8, 3.1, 3.44]
Exponents (E) = [0, 0, 2, 2, 3, 3, 3, 3]
Value (v) = 4.89

Roll number: 2007090

Using Lagrange Interpolation, find the value of the polynomial at $x = 23.27$.

Given points:

$x_points = [2, 6, 7, 15, 19, 24, 25, 30]$

$y_points = [2.91, 5.2, 1.36, 3.33, 3.32, 6.38, 4.53, 2.51]$

The result should be rounded to 4 decimal places.

Roll number: 2007091

Using Lagrange Interpolation, find the value of the polynomial at $x = 28.74$.

Given points:

$x_points = [2, 4, 7, 10, 12, 18, 27, 29]$

$y_points = [5.36, 9.77, 7.88, 2.84, 9.43, 2.02, 7.77, 8.15]$

The result should be rounded to 4 decimal places.

Roll number: 2007092

Using Horner's method, find the intermediate result after 7 iterations.

Polynomial coefficients (A) = $[-4.88, -8.83, -5.25, -4.29, 0.69, 5.9, 2.17, -8.06, 0.98, 1.61]$

Value (v) = 2.02

Roll number: 2007093

Using the NStraightEval algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = $[-9.16, -8.19, -9.9, -1.14, 4.77, -0.7, -9.72, 2.84]$

Exponents (E) = $[0, 1, 1, 2, 3, 4, 5, 5]$

Value (v) = 3.06

Roll number: 2007094

Using the StraightEval algorithm, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = $[3.17, -0.8, -3.31, 8.79, -4.1, 5.1, -8.21, 9.66, -7.8, 5.73]$

Value (v) = 3.58

Roll number: 2007095

Using Horner's method, find the intermediate result after 6 iterations.

Polynomial coefficients (A) = [1.21, 6.46, -6.31, 4.6, 3.82, -5.63, -7.41, 7.75, 1.79, 7.1]
Value (v) = 2.43

Roll number: 2007096

Using Lagrange Interpolation, find the value of the polynomial at $x = 16.57$.

Given points:

x_points = [2, 4, 11, 19, 24, 25, 27, 30]

y_points = [5.66, 9.94, 4.56, 5.17, 9.47, 9.97, 6.65, 4.24]

The result should be rounded to 4 decimal places.

Roll number: 2007097

Using the SStraightEval algorithm, find the intermediate result after 4 iterations.

Coefficients (A) = [-2.39, -4.05, 7.4, 1.9, 0.42, 1.81, -3.29, 3.11]

Exponents (E) = [0, 0, 1, 3, 4, 5, 5, 5]

Value (v) = -1.35

Roll number: 2007098

Using the SStraightEval algorithm, find the intermediate result after 5 iterations.

Coefficients (A) = [1.77, 2.01, 6.22, 7.81, -6.98, -4.97, 6.22, -2.86]

Exponents (E) = [0, 0, 0, 1, 3, 4, 5, 5]

Value (v) = -2.04

Roll number: 2007099

Using the SHorner algorithm, find the result after 7 iterations.

Polynomial coefficients (A) = [-4.65, 8.9, -6.11, -3.19, 9.07, -5.23, -3.49, -1.1]

Exponents (E) = [1, 1, 1, 1, 3, 3, 5, 5]

Value (v) = -0.19

Roll number: 2007100

Using Lagrange Interpolation, find the value of the polynomial at $x = 6.7$.

Given points:

x_points = [1, 2, 15, 16, 18, 22, 23, 28]

y_points = [1.48, 3.61, 7.63, 8.66, 5.63, 8.04, 8.43, 8.68]

The result should be rounded to 4 decimal places.

Roll number: 2007101

Using the StraightEval algorithm, find the intermediate result after 7 iterations.

Polynomial coefficients (A) = [9.6, 6.22, -7.64, 4.68, 6.72, -3.89, 7.13, -7.64, -8.94, 8.65]

Value (v) = -2.06

Roll number: 2007102

Using the SHorner algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = [4.95, -7.86, 8.36, -0.99, -0.16, 6.36, 4.82, 9.78]

Exponents (E) = [1, 1, 2, 2, 3, 4, 4, 5]

Value (v) = 0.91

Roll number: 2007103

Using the SHorner algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [7.89, -9.31, -7.26, -5.03, 6.06, -7.53, 8.38, 3.9]

Exponents (E) = [0, 1, 2, 2, 3, 5, 5, 5]

Value (v) = -1.85

Roll number: 2007104

Using the NStraightEval algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [8.92, 5.17, 5.71, 7.7, -7.44, 3.51, 6.28, 6.23]

Exponents (E) = [0, 1, 1, 2, 3, 3, 5, 5]

Value (v) = 4.61

Roll number: 2007105

Using Horner's method, find the intermediate result after 6 iterations.

Polynomial coefficients (A) = [-8.14, -3.0, -7.2, 4.79, -1.56, -8.67, -5.51, -8.61, 2.6, -8.8]

Value (v) = 1.62

Roll number: 2007106

Using the SStraightEval algorithm, find the intermediate result after 5 iterations.

Coefficients (A) = [3.11, -7.69, -9.55, -7.01, 8.03, -0.31, 4.48, 4.57]

Exponents (E) = [0, 0, 1, 2, 3, 4, 4, 4]

Value (v) = -0.87

Roll number: 2007107

Using the StraightEval algorithm, find the intermediate result after 4 iterations.

Polynomial coefficients (A) = [-1.24, -5.15, -2.88, -4.63, -7.6, 2.15, 5.09, -7.21, -1.81, -8.99]
Value (v) = 3.29

Roll number: 2007108

Using the StraightEval algorithm, find the intermediate result after 9 iterations.

Polynomial coefficients (A) = [2.17, 3.2, 5.59, 9.72, -6.23, 6.03, 5.81, 8.85, 4.26, -7.49]
Value (v) = -1.82

Roll number: 2007109

Using the StraightEval algorithm, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [-2.57, 4.0, -2.92, -2.46, 6.15, -4.81, -3.16, 6.43, -4.41, -4.04]
Value (v) = -1.49

Roll number: 2007110

Using Horner's method, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = [2.9, -8.57, 2.47, 8.53, 8.77, -6.35, -7.65, 9.18, -3.63, -8.39]
Value (v) = 4.53

Roll number: 2007111

Using the StraightEval algorithm, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [-2.17, -6.54, 1.86, 8.96, 2.0, 7.9, 4.37, 5.53, 7.31, 5.62]
Value (v) = -4.77

Roll number: 2007112

Using the SStraightEval algorithm, find the intermediate result after 7 iterations.

Coefficients (A) = [-8.32, 5.99, -9.76, -8.28, 6.06, -7.7, 2.71, 6.72]
Exponents (E) = [0, 1, 1, 1, 2, 4, 5, 5]
Value (v) = 1.4

Roll number: 2007113

Using Lagrange Interpolation, find the value of the polynomial at $x = 11.68$.

Given points:

$x_points = [5, 8, 12, 16, 17, 18, 20, 23]$
 $y_points = [7.95, 2.79, 5.83, 5.24, 1.52, 6.29, 8.35, 9.55]$

The result should be rounded to 4 decimal places.

Roll number: 2007114

Using the SHorner algorithm, find the result after 6 iterations.

Polynomial coefficients (A) = [-4.3, -0.51, 1.58, -4.59, -1.51, -1.39, 0.77, -0.78]
Exponents (E) = [0, 0, 1, 2, 2, 2, 3, 4]
Value (v) = -2.39

Roll number: 2007115

Using Lagrange Interpolation, find the value of the polynomial at $x = 15.81$.

Given points:

$x_points = [7, 8, 13, 19, 23, 25, 27, 28]$

$y_points = [9.68, 5.97, 8.79, 1.57, 2.73, 3.76, 4.58, 1.18]$

The result should be rounded to 4 decimal places.

Roll number: 2007116

Using the StraightEval algorithm, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = [3.58, 0.5, -1.99, -4.78, 6.66, -5.73, 5.46, -5.4, -8.54, 3.96]

Value (v) = 1.04

Roll number: 2007117

Using Lagrange Interpolation, find the value of the polynomial at $x = 12.36$.

Given points:

$x_points = [2, 9, 14, 16, 19, 21, 24, 26]$

$y_points = [6.4, 8.29, 8.36, 3.61, 1.81, 8.96, 1.2, 5.8]$

The result should be rounded to 4 decimal places.

Roll number: 2007118

Using the SStraightEval algorithm, find the intermediate result after 6 iterations.

Coefficients (A) = [-3.39, 9.5, -8.16, -6.46, -5.93, -0.46, -5.87, 3.51]

Exponents (E) = [0, 2, 2, 2, 3, 3, 4, 4]

Value (v) = -1.99

Roll number: 2007119

Using the SHorner algorithm, find the result after 3 iterations.

Polynomial coefficients (A) = [6.29, -5.7, -8.49, 6.15, 3.37, -3.58, -7.5, 9.36]

Exponents (E) = [0, 1, 1, 3, 4, 5, 5, 5]

Value (v) = 2.91

Roll number: 2007120

Using the StraightEval algorithm, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [8.43, -6.46, -7.37, -0.78, 6.17, -4.33, -8.12, -6.18, 4.71, -7.31]

Value (v) = 2.31

Roll number: 2007121

Using Horner's method, find the intermediate result after 5 iterations.

Polynomial coefficients (A) = [0.52, -9.08, 5.04, -1.63, -1.56, 3.79, -6.2, -8.17, -3.75, -6.3]

Value (v) = 3.4

Roll number: 2007122

Using the StraightEval algorithm, find the intermediate result after 4 iterations.

Polynomial coefficients (A) = [-2.12, 6.01, -6.96, 8.65, 4.71, 3.79, 2.95, -1.21, 4.46, 1.21]

Value (v) = -2.28

Roll number: 2007123

Using Horner's method, find the intermediate result after 7 iterations.

Polynomial coefficients (A) = [7.96, -0.45, -2.52, -4.61, 5.55, 3.34, 7.38, -1.77, 2.15, -3.59]
Value (v) = 0.55

Roll number: 2007124

Using the SHorner algorithm, find the result after 4 iterations.

Polynomial coefficients (A) = [-9.42, -4.93, -9.19, -9.34, -0.16, -1.62, 8.27, -1.41]
Exponents (E) = [0, 0, 0, 0, 3, 3, 4, 4]
Value (v) = -0.81

Roll number: 2007125

Using Horner's method, find the intermediate result after 8 iterations.

Polynomial coefficients (A) = [-6.68, 1.38, 2.0, -8.66, 3.98, 5.9, 0.14, 8.72, -0.14, -7.25]
Value (v) = 0.74

Roll number: 2007126

Using Lagrange Interpolation, find the value of the polynomial at $x = 15.03$.

Given points:

$x_points = [1, 6, 7, 8, 11, 18, 19, 24]$

$y_points = [5.5, 9.92, 4.34, 2.04, 8.69, 1.22, 4.69, 8.03]$

The result should be rounded to 4 decimal places.

Roll number: 2007127

Using the SHorner algorithm, find the result after 5 iterations.

Polynomial coefficients (A) = [-6.03, -8.53, -0.92, 5.74, -8.56, 0.02, 8.38, -9.83]

Exponents (E) = [0, 1, 2, 2, 3, 3, 4, 5]

Value (v) = 4.09

Roll number: 2007128

Using the SStraightEval algorithm, find the intermediate result after 5 iterations.

Coefficients (A) = [1.08, 4.79, -4.87, -7.9, 1.16, -6.61, 9.73, -0.43]

Exponents (E) = [0, 0, 2, 2, 3, 4, 5, 5]

Value (v) = -1.16

Roll number: 2007129

Using Lagrange Interpolation, find the value of the polynomial at $x = 25.79$.

Given points:

$x_points = [1, 4, 7, 11, 12, 14, 27, 29]$

$y_points = [1.08, 9.56, 1.33, 1.68, 2.51, 4.71, 1.04, 5.37]$

The result should be rounded to 4 decimal places.
