



TUTORIAL 4

INTERPOLATION WITH UNEQUAL INTERVALS

1. State Lagrange's interpolation formula.
2. What is the Lagrange's formula to find y , if three sets of values (x_0, y_0) and (x_1, y_1) and (x_2, y_2) are given.
3. Using Lagrange's find y at $x = 2$ for the following

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|-----|---|---|----|-----|-----|
| X : | 0 | 1 | 3 | 4 | 5 |
| Y : | 0 | 1 | 81 | 256 | 625 |