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| --- | --- | --- |
| testcase | Input | Output |
| 1 | 3  2  3  -1  2  3.5 | P(x) = 86.000000  P'(x) = 69.500000  P''(x) = 40.000000  P'''(x) = 12.000000 |
| 2 | 4  4  1  -10  -2  1  2 | P(x) = -34.000000  P'(x) = -31.000000  P''(x) = 4.000000  P'''(x) = 36.000000  P''''(x) = 24.000000 |
| 3 | 4  4  1  -10  -2  1  0.903226 | P(x) = -4.063123  P'(x) = -19.011954  P''(x) = -21.048906  P'''(x) = 9.677424  P''''(x) = 24.000000 |
| 4 | 3  6  1  -4  1  1 | P(x) = 4.000000  P'(x) = -4.000000  P''(x) = -2.000000  P'''(x) = 6.000000 |
| 5 | 4  -136  -85  -9  5  1  -4 | P(x) = -4.000000  P'(x) = -29.000000  P''(x) = 54.000000  P'''(x) = -66.000000  P''''(x) = 24.000000 |