Numerical Algorithms – Complexity W4241
C7

Input: $a_0, a_1, a_2, \ldots, a_n, t$

Output: $P(t), P'(t), \frac{P''(t)}{2!}, \ldots, \frac{P^n(t)}{n!}$

- Compute by Horner and Shaw-Traub algorithms.
- Test with three polynomials.
- Compute the differences between the two sets of answers.