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1 de Casteljau's Method

Consider de Casteljau's method to evaluate a degree n polynomial in Bernstein-Bézier form with control points p_i :

$$b_j^{(0)} = p_j$$

$$b_j^{(k)} = (1 - x)b_j^{(k-1)} + xb_{j+1}^{(k-1)}$$

$$b(x) = b_0^{(n)}.$$

1.1 K-Fold Error Filtering

Empirically, it seems the process takes

$$(15K^2 - 34K + 26)T_n + K + 5$$

flops to evaluate a degree n polynomial. (Here T_n is the nth triangular number.)