With m supplied pairs, m reciprocals and m integer powers give $O(m \log n)$ field operations using binary exponentiation, plus m products. Reconstructing coefficients and reevaluating each transformed node can require $\Theta(n^2)$ work under conventional interpolation. If coefficients are already available, reversing them costs only $\Theta(n)$ and is the preferable representation. The nonzero-node hypothesis is essential.