



















2.3.2	Polynomial Addition: Code
$(\leftarrow$	Polynomial Polynomial::Add(Polynomial b) { // Return sum of polynomial *this and b Polynomial c:
	<pre>int aPos = 0, bPos = 0; while((aPos < terms) && (bPos < b.terms)) if(termArray[aPos].exp == b.termArray[bPos].exp) { float t = termArray[aPos].coef + b.termArray[bPos].coef; If(t) c.NewTerm(t, termArray[aPos].exp); aPos++; bPos++;</pre>
	<pre>} } else if(termArray[aPos].exp < b.termArray[bPos].exp) { c.NewTerm(b.termArray[bPos].coef, b.termArray[bPos].exp); bPos++; } .</pre>
	else(c.NewTerm(termArray[aPos].coef,termArray[aPos].exp); aPos++;
	<pre>// add in remaining terms of *this for(; aPos < terms; aPos++) c.NewFern(termArray[aPos].coef, termArray[aPos].exp); // add in remaining terms of b</pre>
	<pre>for(; bPos < b.terms; bPos++) c.NewTerm(b.termArray[bPos].coef, b.termArray[bPos].exp); return c; }</pre>



