

HW 3 Problem 3

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March 2021

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–Pseudocode–

```
method division(poly p)
  requires p != null
{
  var q := 0;
  var r := this
  while ( r != 0 && r.degree ≥ p.degree )
    LI : r.degree ≥ p.degree
    D : r.degree
    {
      var temp = leadingCoeff(r) / leadingCoeff(p);
      q := q + t;
      r := r - t * p
    }
}
```