

```
gmap(xs : X list) {  
  while (no-local-convergence-intimated) {  
    for each element x in xs {  
      lmap(x); // emits lkey, lval  
    }  
  
    lreduce(); // operates on the output of lmap functions  
  }  
  
  for each value in lreduce-output {  
    EmitIntermediate(key, value);  
  }  
}
```