

Die Hard in PlusCal

```
--algorithm DieHard {  
  variables  $big = 0, small = 0$ ;  
  { while ( TRUE )  
    { either  $big := 5$       fill the big jug  
      or     $small := 3$     fill the samll jug  
      or     $big := 0$       empty the big jug  
      or     $small := 0$     empty the samll jug  
      or    pour from small to big  
        with (  $poured = Min(big + small, 5) - big$  )  
          {  $big := big + poured$ ;  
             $small := small - poured$  }  
      or    pour from big to small  
        with (  $poured = Min(big + small, 3) - small$  )  
          {  $big := big - poured$ ;  
             $small := small + poured$  }  
    }  
  }
```