

Die Hard in PlusCal: ASCII Version

```
--algorithm DieHard {
  variables big = 0, small = 0;
  { while (TRUE)
    { either big := 5 * fill the big jug
      or small := 3 * fill the small jug
      or big := 0 * empty the big jug
      or small := 0 * empty the small 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 }
    }
  }
```