

```

monitor pot { # no IRR
  int portions=0; cond pot_full, fill_turn;
  boolean bee_filling=false;

  procedure fill_perm () {
    while (portions == H or bee_filling)
      wait (fill_turn);
    bee_filling = true;
  }
  procedure fill_done () {
    bee_filling = false;
    portions++;
    if (portions == H) signal (pot_full);
    else signal (fill_turn);
  }
  procedure wait_full () {
    if (portions < H) wait (pot_full);
  }
  procedure empty_pot () {
    portions = 0;
    signal (fill_turn); # wake up one
  }
}

```

25.5.2010

Simpler monitor
solution
only sync, one bee fills
at a time

```

process bear() {
  while (true) {
    pot.wait_full();
    eat_honey();
    pot.empty_pot();
  }
}

```

```

process bee [i=1 to N] {
  while (true) {
    collect_honey();
    pot.fill_perm();
    fill_pot();
    pot.fill_done();
  }
}

```