

ADA Protected Object Solution

```
..
private  portions := 0
...
protected body pot is
  entry into_pot when portions < H is
    begin
      portions:=portions+1; fill_pot()
    end deposit_into_pot;

  entry wait_full when portions == H is
    begin  # empty body
    end wait_full;

  procedure empty_pot is
    begin
      portions = 0;
    end empty_pot;
end pot;
```

```
process bee [i=1 to N] {
  while (true) {
    collect_honey();
    pot.into_pot;
  }
} # not Ada syntax
```

```
process bear() {
  while (true) {
    pot.wait_full;
    eat_honey();
    pot.empty_pot;
  }
} # not Ada syntax
```

What if lots of bees (>> H) waiting in *into_pot*?

How to modify to do fill_pot() in parallel??