```
int arrive[1:n] = ([n] 0),  continue[1:n] = ([n] 0);
process Worker[i = 1 to n] {
  while (true) {
    code to implement task i;
    arrive[i] = 1;
    ⟨await (continue[i] == 1);⟩
    continue[i] = 0;
  }
}
process Coordinator {
  while (true) {
    for [i = 1 to n] {
      ⟨await (arrive[i] == 1);⟩
      arrive[i] = 0;
      }
    for [i = 1 to n] continue[i] = 1;
  }
}
```

Figure 3.12 Barrier synchronization using a coordinator process.