```
monitor Bridge {
   cond northbound, southbound; // conds are waiting stations
   int northOnBridge, southOnBridge;
   procedure enterSouthbound( ) {
      if (northOnBridge>0)
          wait(southbound);
      southOnBridge++;
   }
   procedure leaveSouthbound( ) {
      southOnBridge--;
      if (southOnBridge==0)
           signal all(northbound);
   }
   // + northbound versions
   // note: the bridge crossing is not in monitor
```

```
monitor Bridge {
   cond northbound, southbound;
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   }
   // + northbound versions
   // note: the bridge crossing is not in monitor
```

```
monitor Bridge {
   cond northbound, southbound;
   int northOnBridge, southOnBridge;
   procedure enterSouthbound( ) {
       if ((northOnBridge>0) || !empty(northbound))
          wait(southbound);
      southOnBridge++;
   }
   procedure leaveSouthbound( ) {
       southOnBridge--;
       if (southOnBridge==0)
           signal all(northbound);
   }
   // + northbound versions
   // note: the bridge crossing is not in monitor
```

```
monitor Bridge {
   cond northbound, southbound;
   int northOnBridge, southOnBridge;
   procedure enterSouthbound( ) {
      while ((northOnBridge>0) || !empty(northbound))
           wait(southbound);
      southOnBridge++;
   }
   procedure leaveSouthbound( ) {
       southOnBridge--;
       if (southOnBridge==0)
           signal all(northbound);
   }
   // + northbound versions
   // note: the bridge crossing is not in monitor
}
```

```
monitor Bridge {
   cond northbound, southbound;
   int northOnBridge, southOnBridge;
   procedure enterSouthbound( ) {
      while ((northOnBridge>0) ||
             ((southOnBridge>0) && !empty(northbound)))
           wait(southbound);
       southOnBridge++;
   }
   procedure leaveSouthbound( ) {
       southOnBridge--;
       if (southOnBridge==0)
           signal all(northbound);
   }
   // + northbound versions
   // note: the bridge crossing is not in monitor
}
```

```
monitor Bridge {
   cond northbound, southbound;
   int northOnBridge, southOnBridge;
   procedure enterSouthbound( ) {
       if ((northOnBridge>0) || !empty(northbound))
          wait(southbound);
      while (northOnBridge>0)
          wait(southbound);
       southOnBridge++;
   }
   procedure leaveSouthbound( ) {
       southOnBridge--;
       if (southOnBridge==0) signal all(northbound);
   }
   // + northbound versions
   // note: the bridge crossing is not in monitor
}
```