```
# global types and channels as declared in Figure 10.7

process CH {
  Templates t, pending[1:n] = ([n] ∅);
  ## if pending[i] != ∅, then process i is blocked
  while (true) {
    receive match(t);  # get a new set of templates
    look at some template in t to determine sender s;
    for [ each template in t ] {
      if (there is a matching pair in some pending[i]) {
        if (s is the source) {
          send reply[s](OUT, i);
          send reply[i](IN, s);
        } else {    # s is the destination
          send reply[s](IN, i);
          send reply[i](OUT, s);
        }
        pending[i] = ∅;
        break;   # get out of the for loop
      }
    }
    if (no matching pair was found)
      pending[s] = t;
  }
}
```

Figure 10.8 Centralized clearing-house process.