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network@network-HCL-Desktop:~/Documents/OSLAB$ gcc ReadersWriters.cpp
network@network-HCL-Desktop:~/Documents/OSLAB$ ./a.out
Number of readers (max 50): 10
Number of writers (max 50): 5

reader 6 : wanting to read
reader 7 : wanting to read
reader 7 : wanting to read
reader 7 : wanting to read
reader 8 : wanting to read
reader 9 : wanting to read
reader 10 : wanting to read
writer 2 : wanting to write
writer 4 : wanting to write
writer 1 : wanting to write
reader 1 : wanting to read
reader 1 : wanting to read
reader 1 : wanting to read
writer 1 : wanting to write
writer 1 : wanting to write
writer 1 : writing
writer 1 : leaving writing
writer 1 : finished
writer 4 : writing
writer 4 : leaving writing
writer 4 : finished
reader 8 : reading
reader 9 : reading
reader 7 : reading
reader 10 : reading
reader 7 : reading
reader 1 : reading
reader 6 : reading
reader 1 : reading
reader 1 : reading
reader 7 : reading
reader 7 : leaving reading
reader 7 : finished
reader 1 : leaving reading
reader 1 : finished
reader 10 : leaving reading
reader 10 : finished
reader 1 : leaving reading
reader 8 : leaving reading
reader 1 : finished
reader 8 : finished
reader 7 : leaving reading
reader 7 : finished
reader 1 : leaving reading
reader 1 : finished
reader 7 : leaving reading
reader 9 : leaving reading
reader 7 : finished
reader 9 : finished
reader 6 : leaving reading
reader 6 : finished
writer 1 : writing
writer 1 : leaving writing
writer 2 : writing
writer 1 : finished
writer 2 : leaving writing
writer 2 : finished
writer 1 : writing
writer 1 : leaving writing
writer 1 : finished
```