

mutex\_lock

Locked?

yes

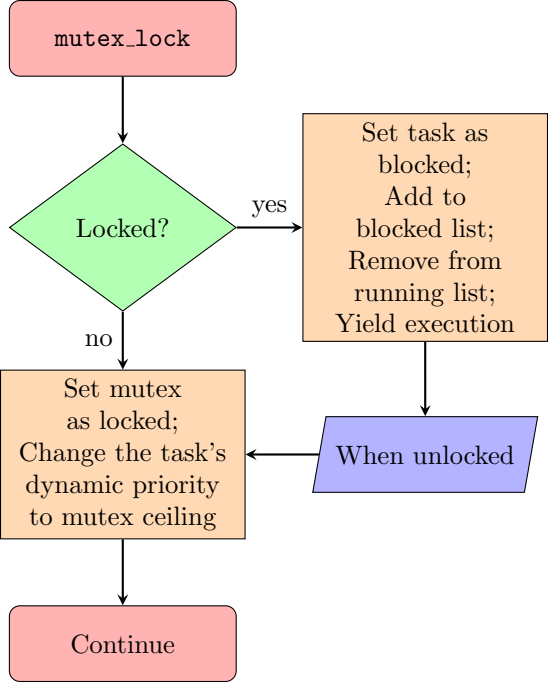
Set task as  
blocked;  
Add to  
blocked list;  
Remove from  
running list;  
Yield execution

no

Set mutex  
as locked;  
Change the task's  
dynamic priority  
to mutex ceiling

When unlocked

Continue



mutex\_unlock

Set mutex as  
unlocked;  
Change the task's  
dynamic priority to  
its static priority

Any tasks  
blocked by  
mutex?

yes

Unblock  
next tasks;  
Remove from  
mutex blocked list;  
Add to run-  
ning tasks list;  
Yield execution

no

Continue

