

JAVA



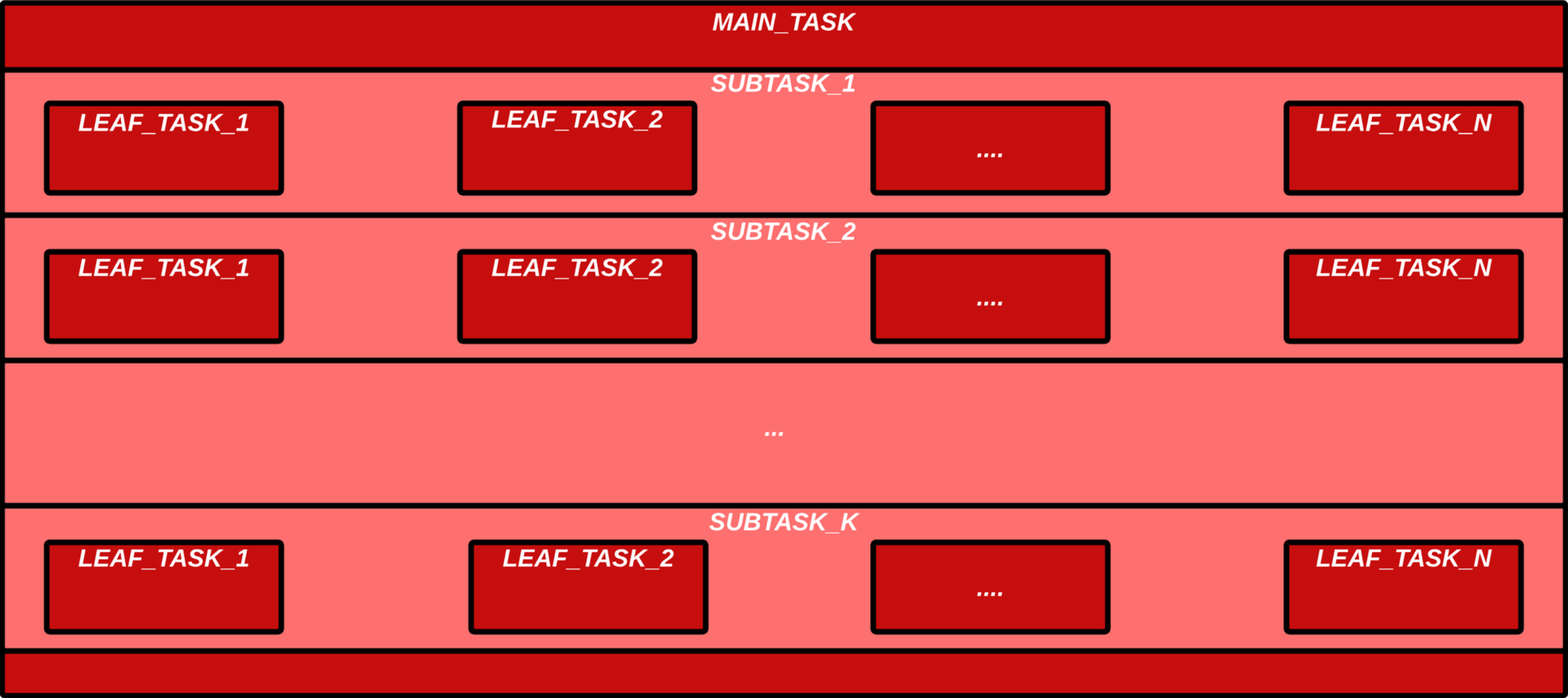
МНОГОПОТОЧНОСТЬ.
CYCLICBARRIER

thread-1

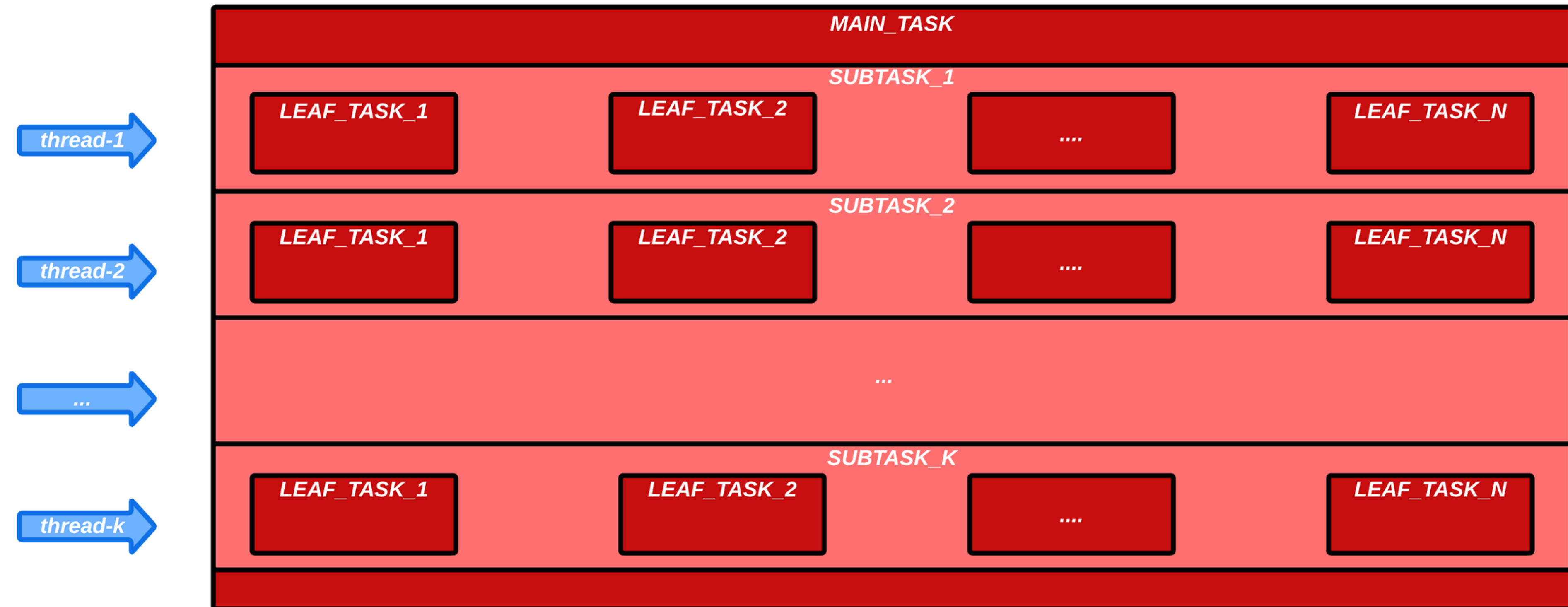
thread-2

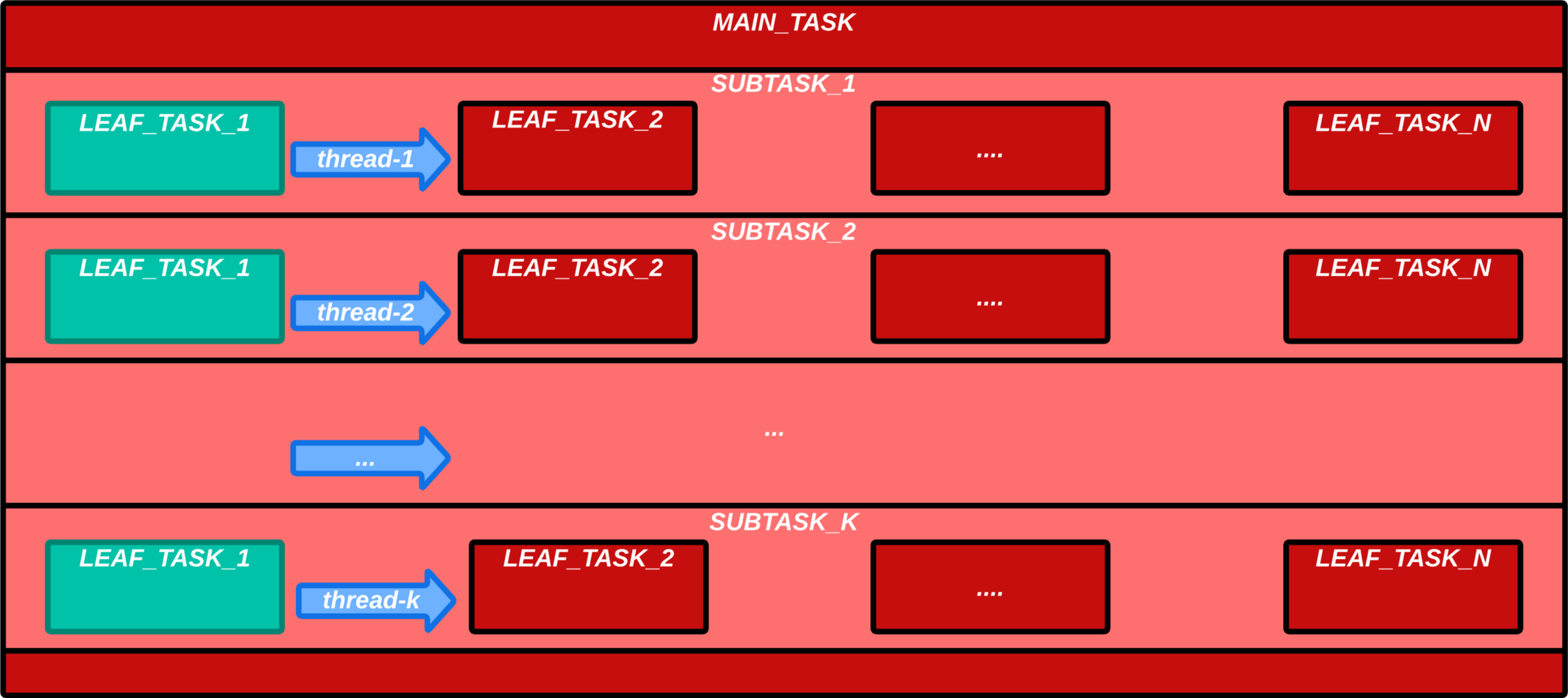
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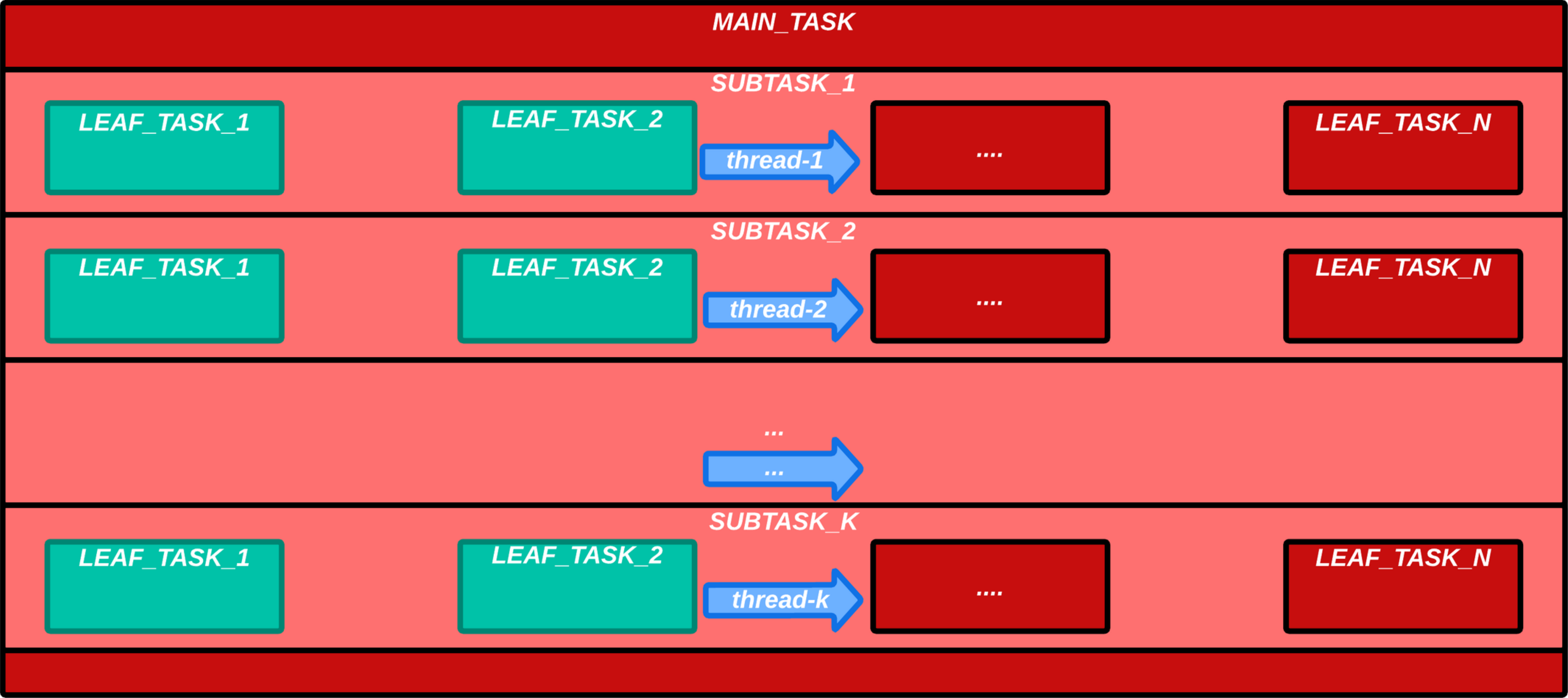
thread-k



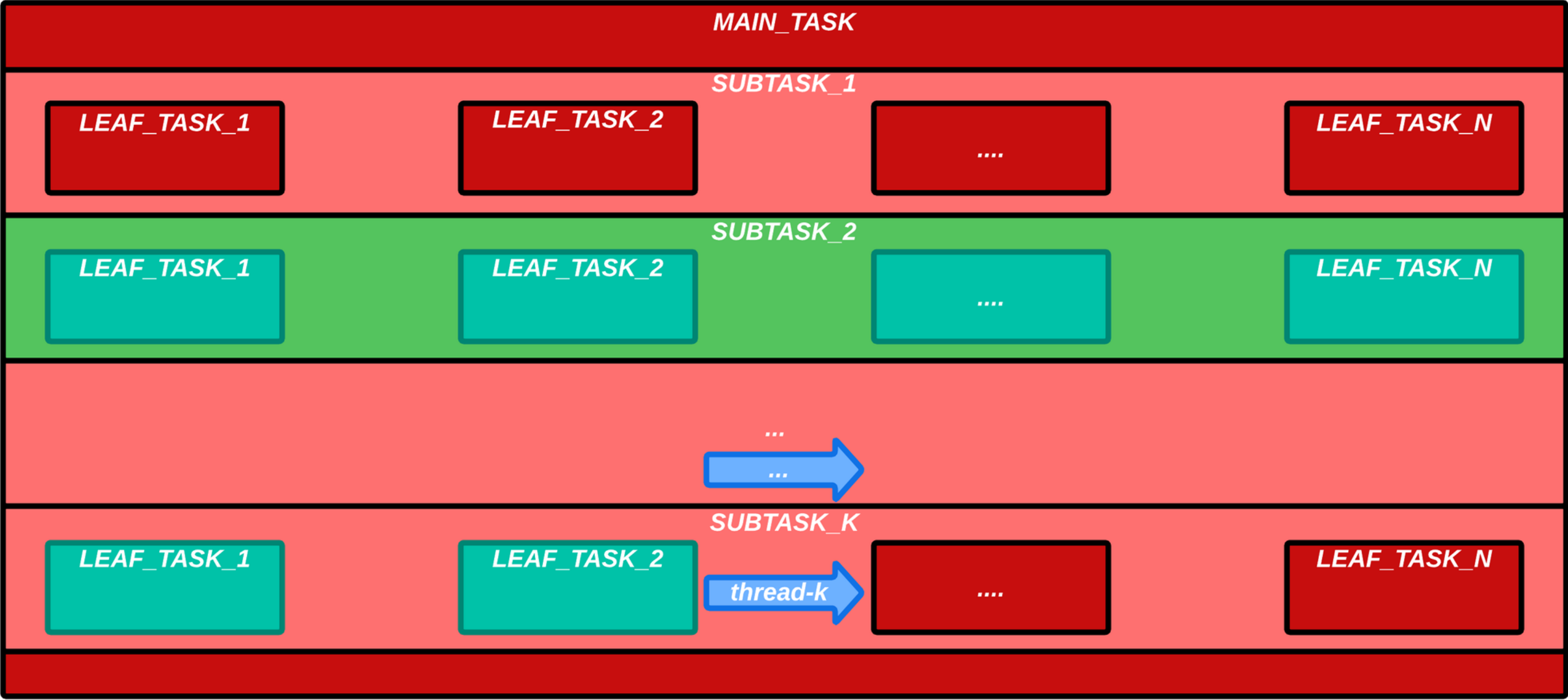
Никакой i -й поток (где $i \in [1; k]$) не должен начать выполнять свою *leaf*-задачу с индексом t до тех пор, пока все k потоков не выполнят свои *leaf*-задачи с индексом $t-1$ (где $t \in [2; N]$)

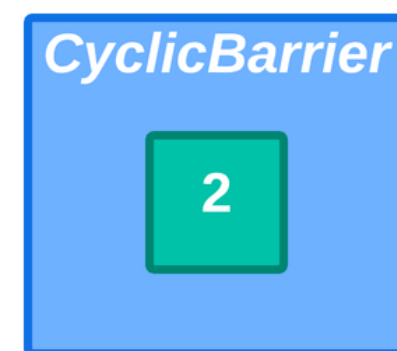
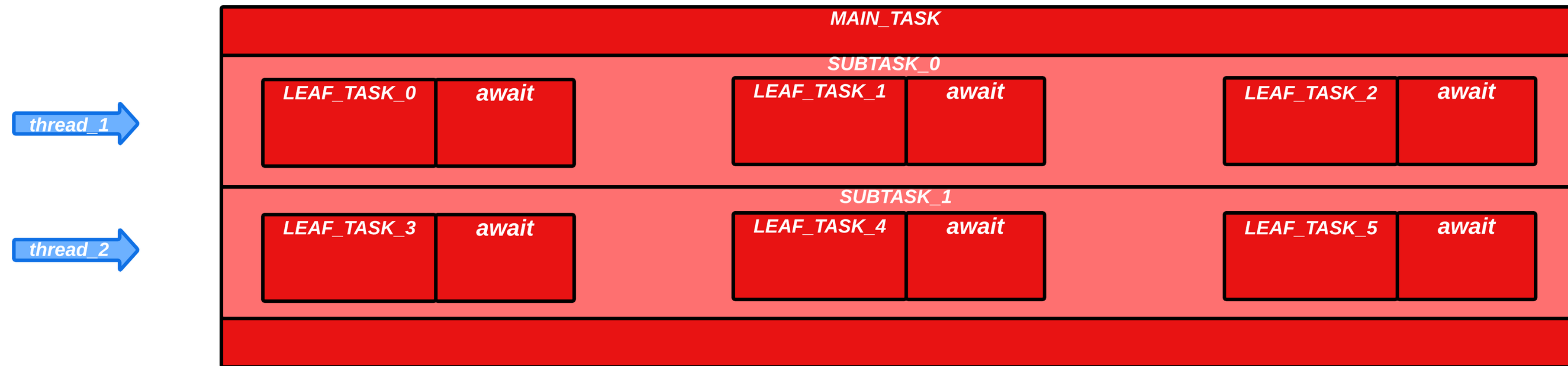


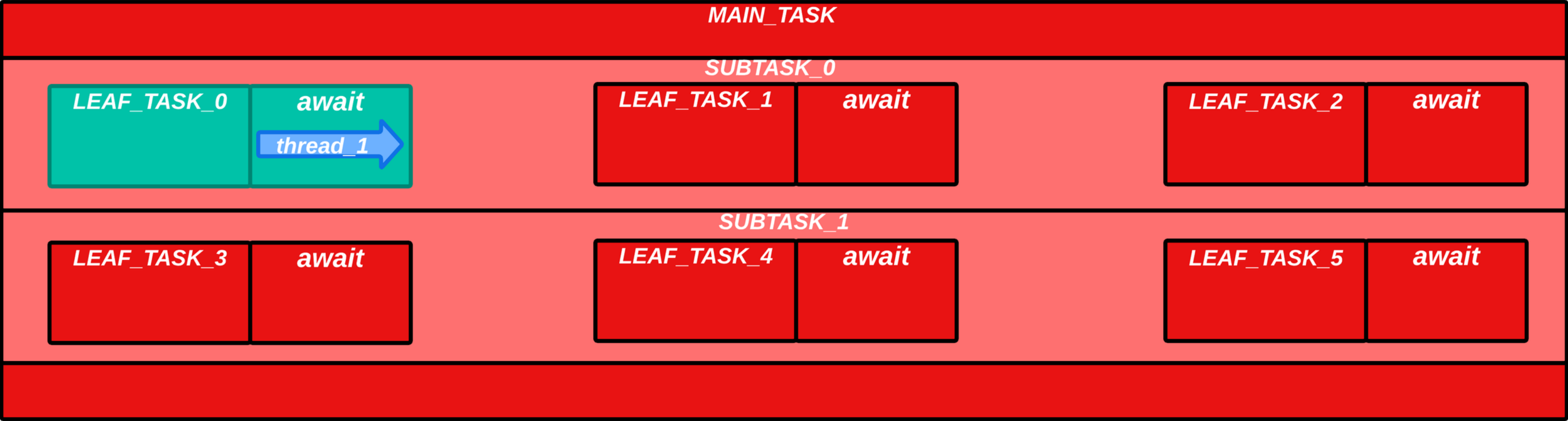


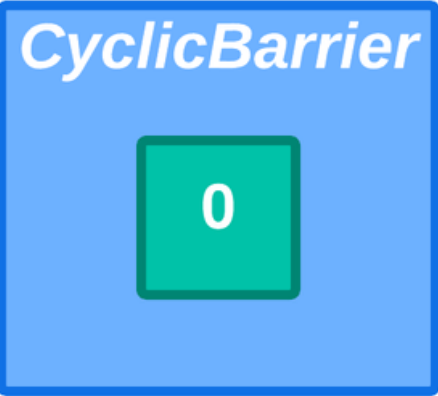
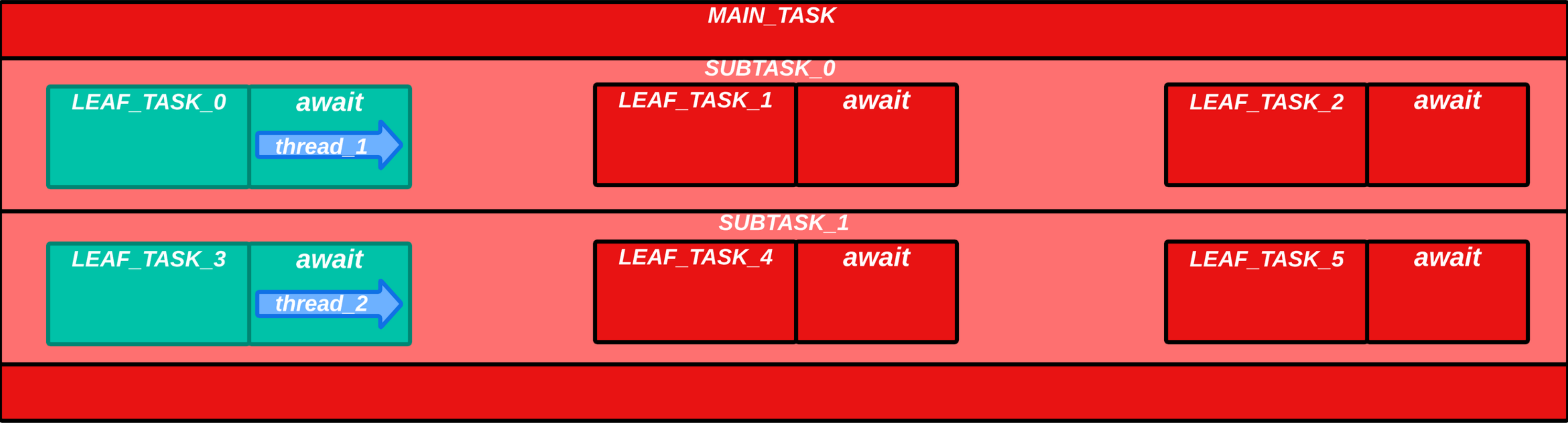


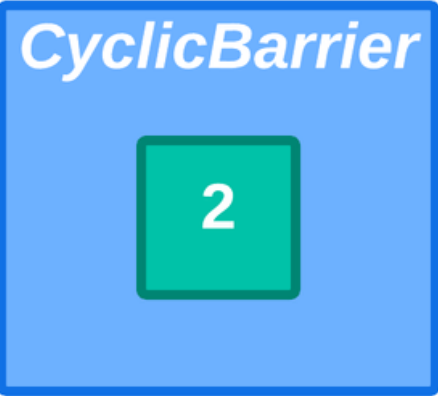
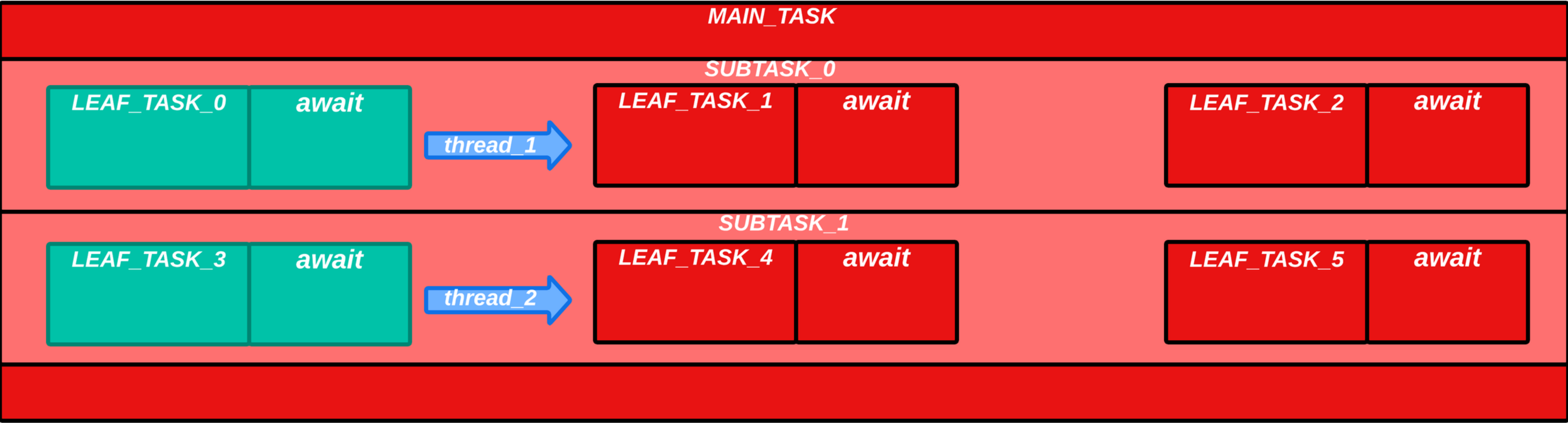


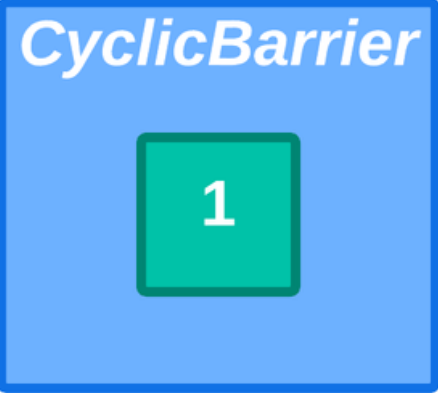
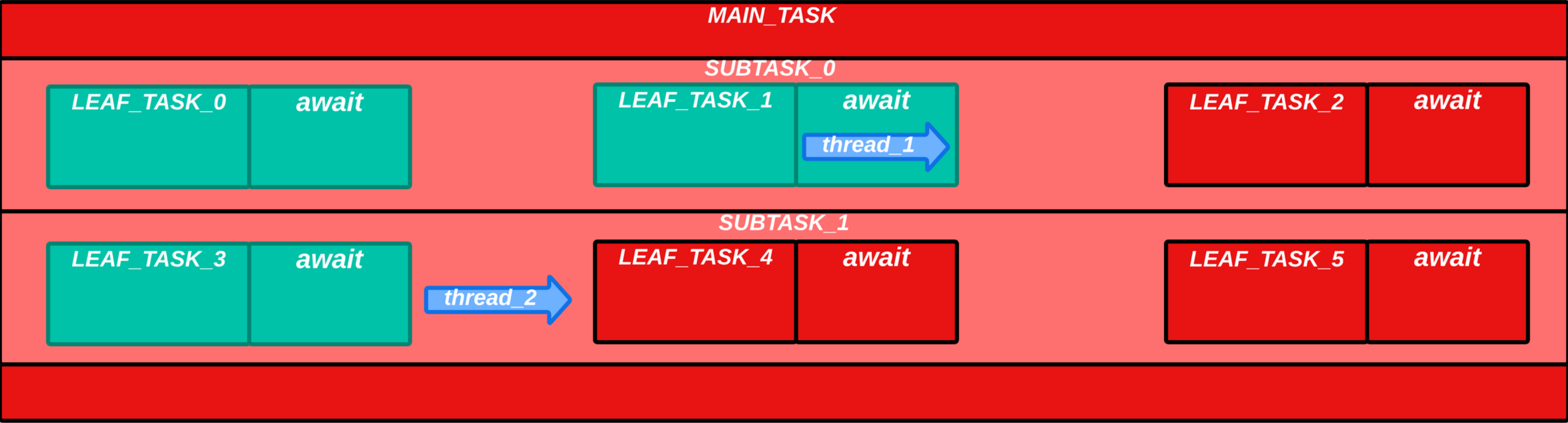


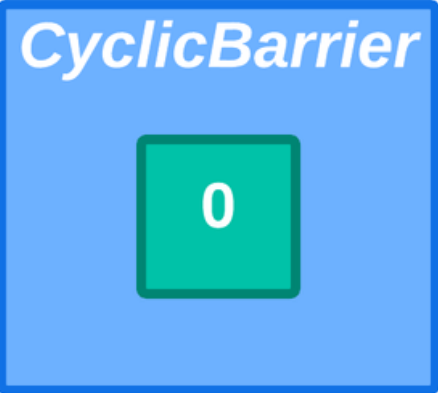
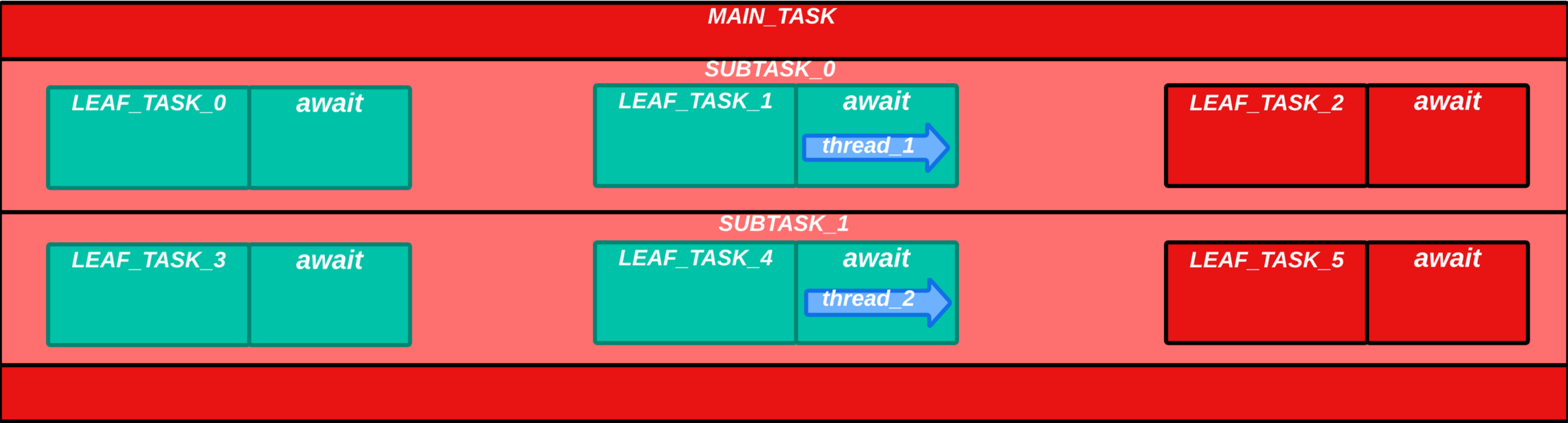


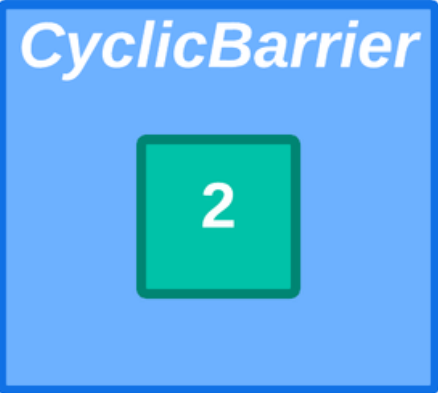
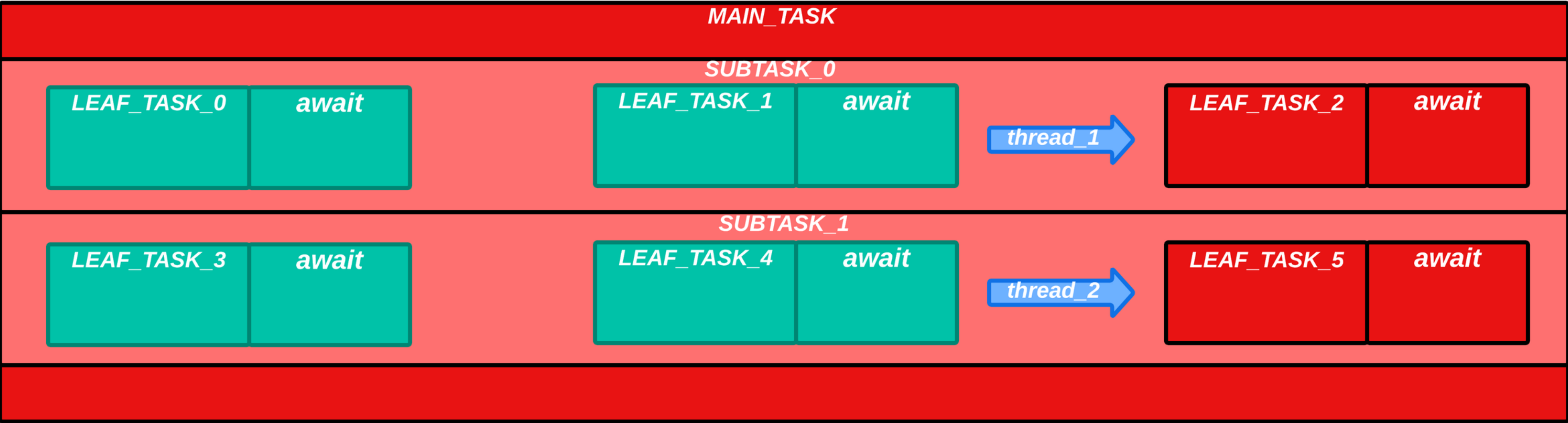


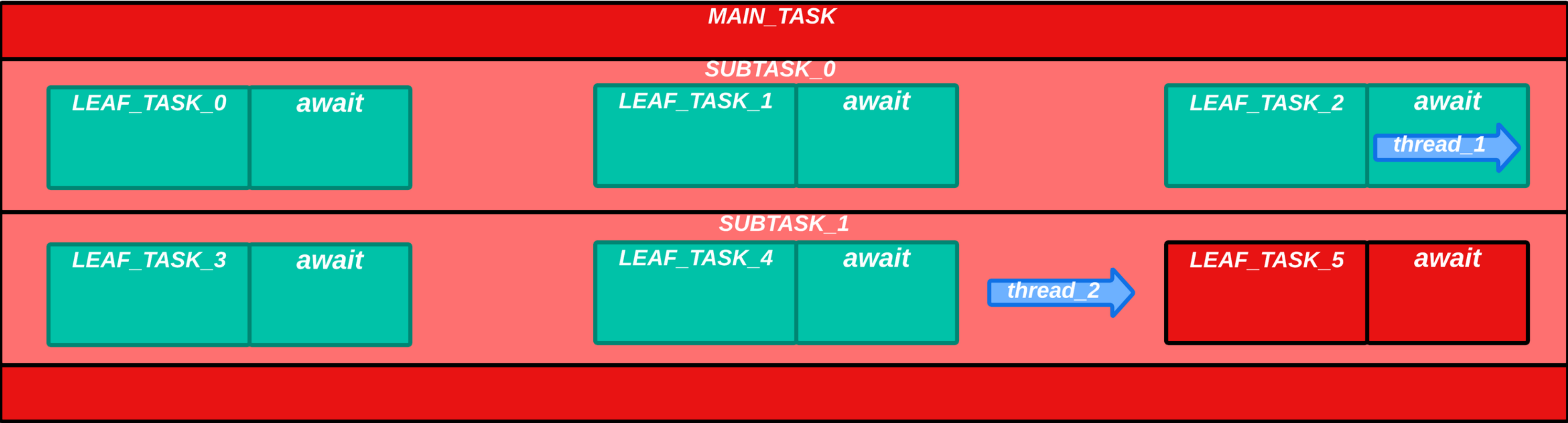


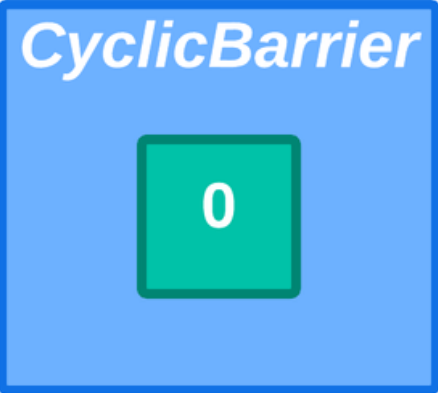
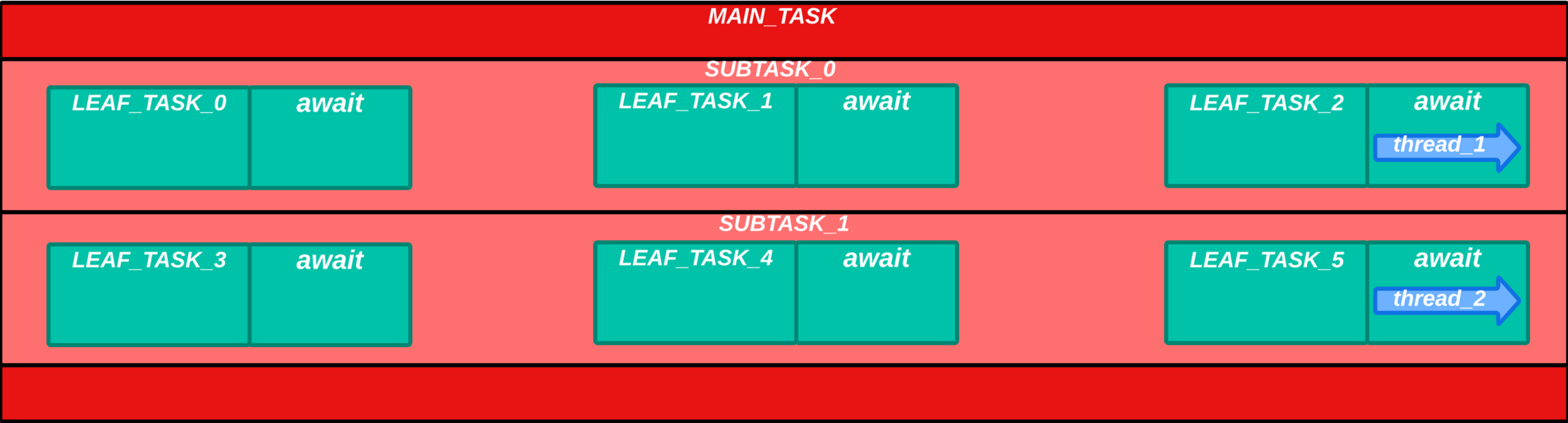


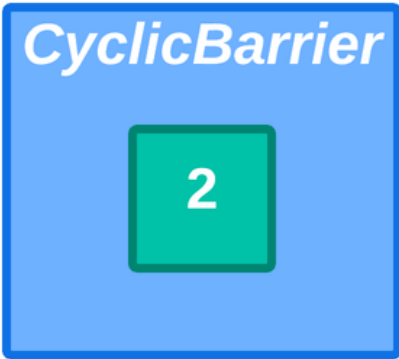
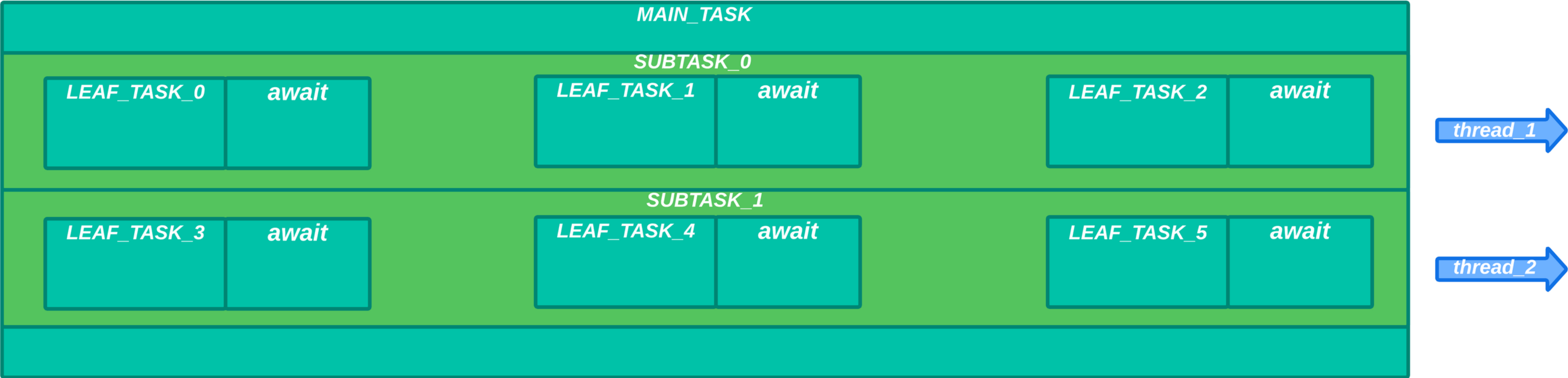




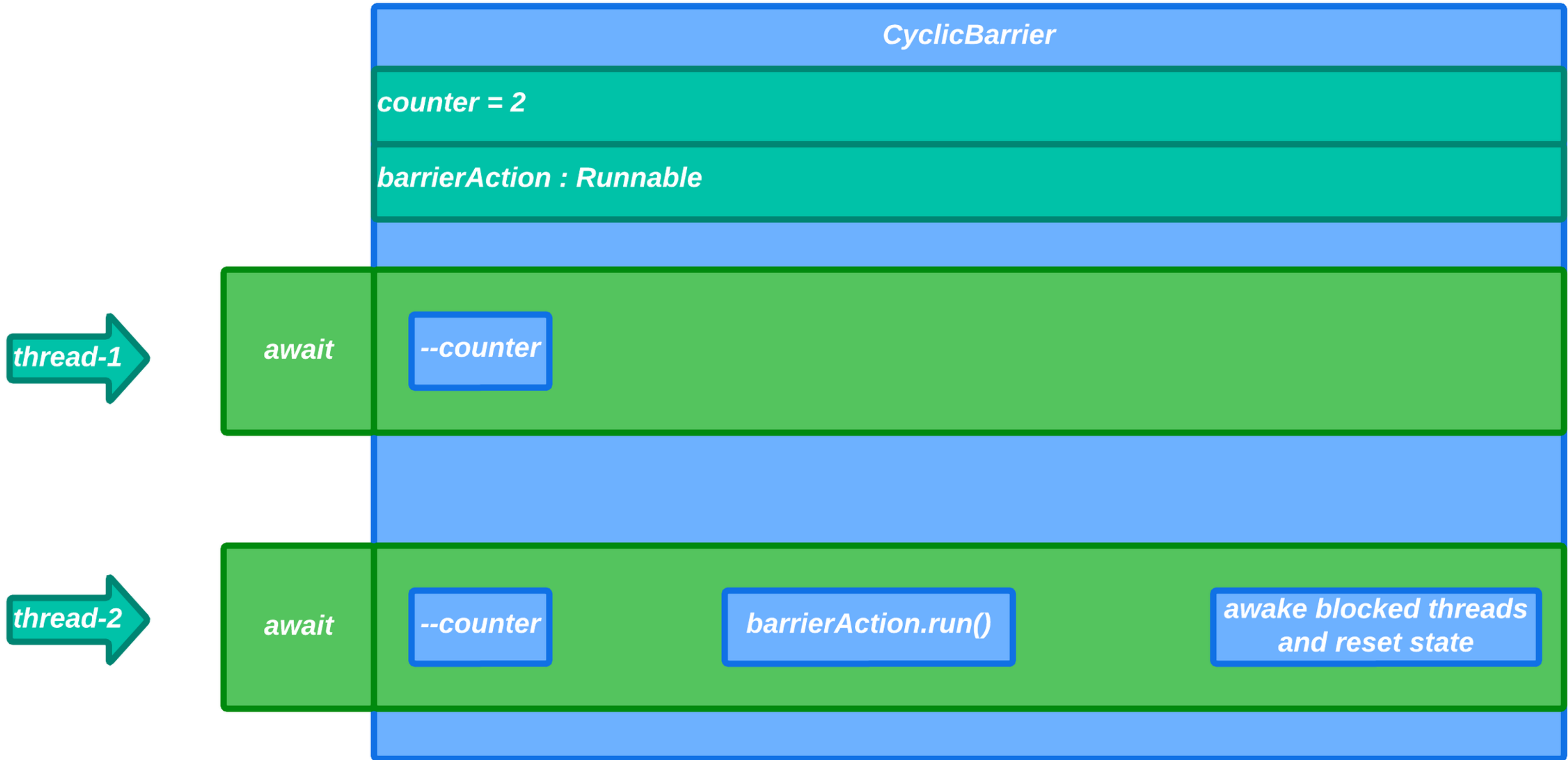




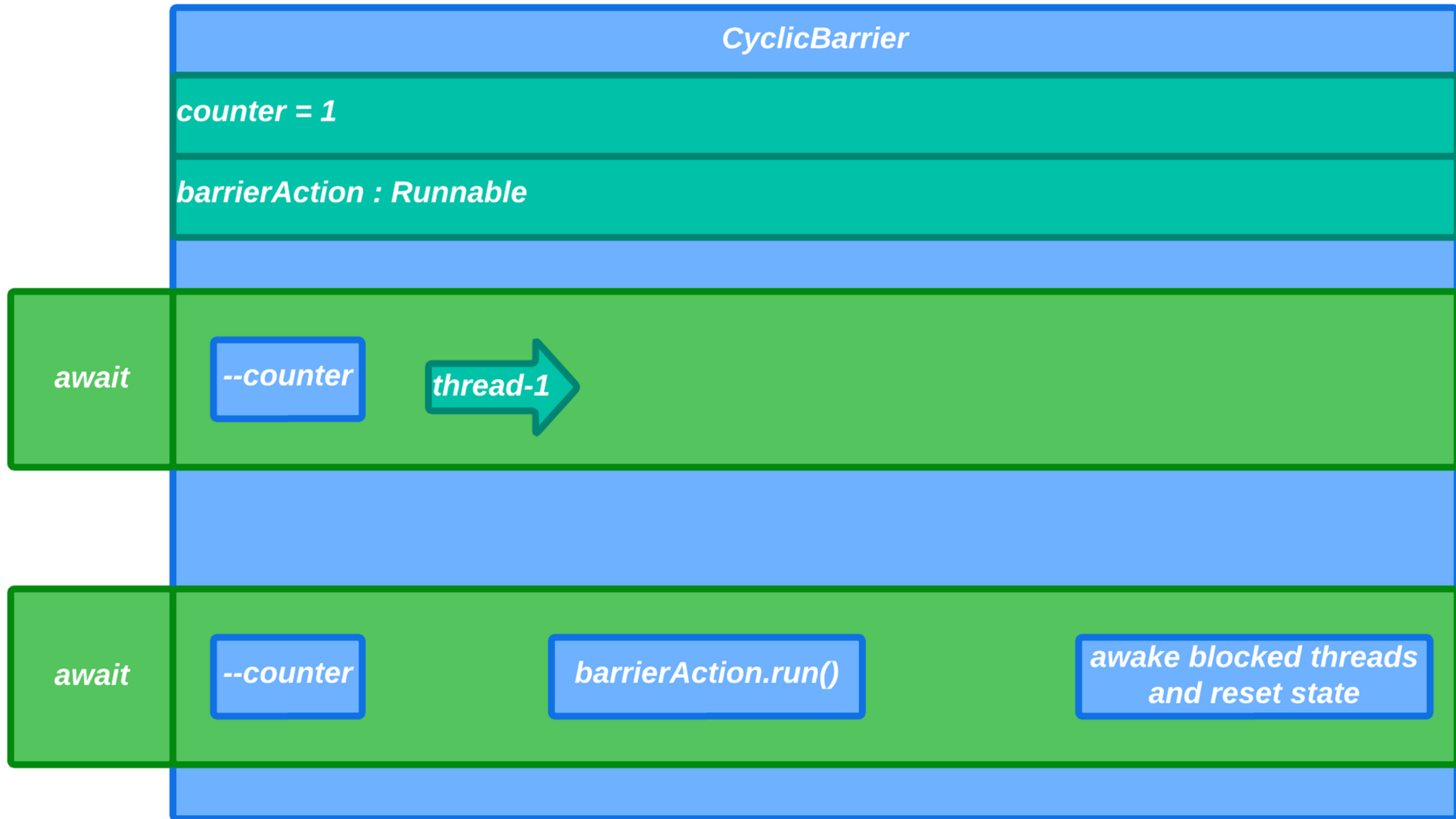




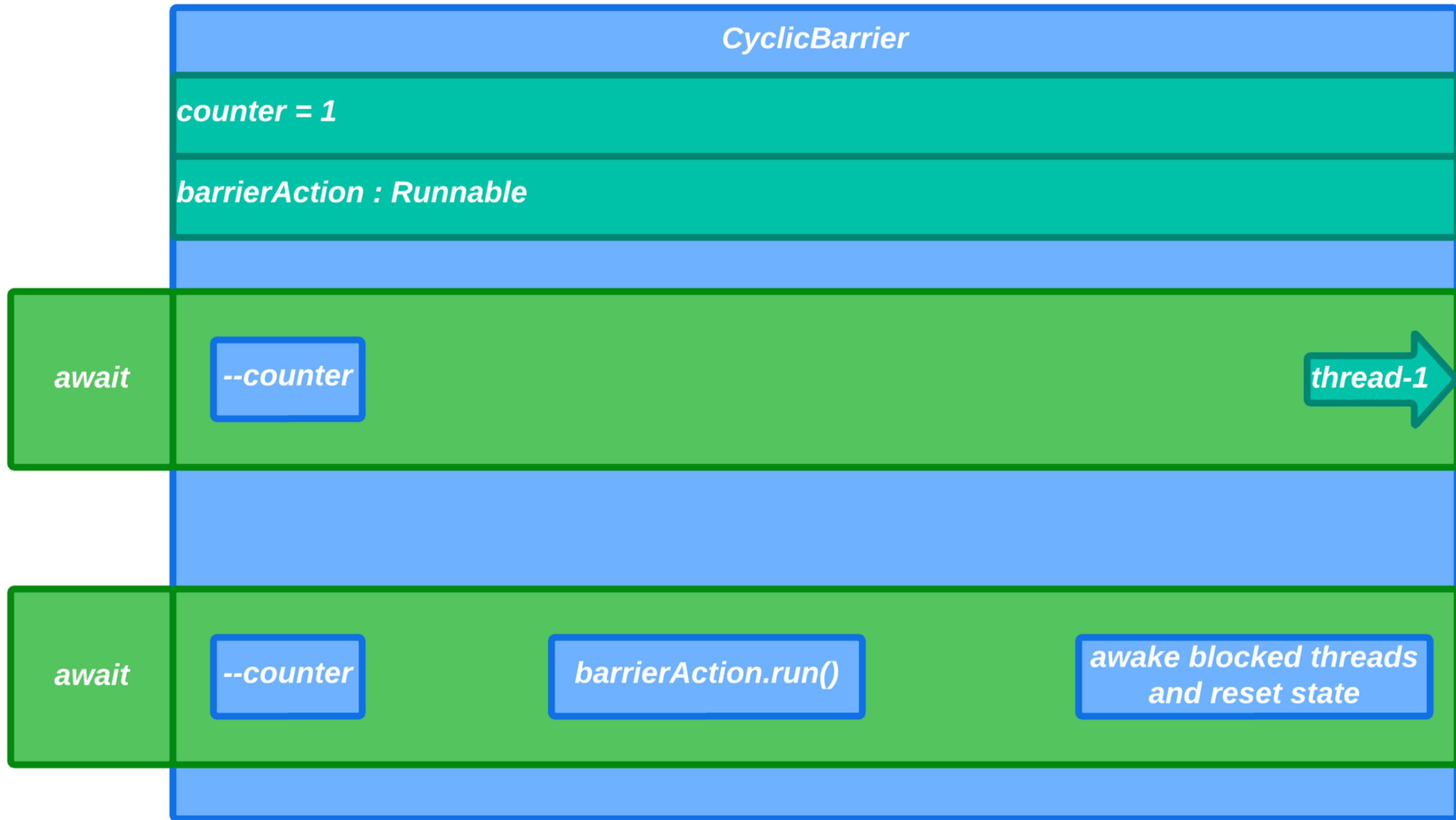
BARRIER ACTION



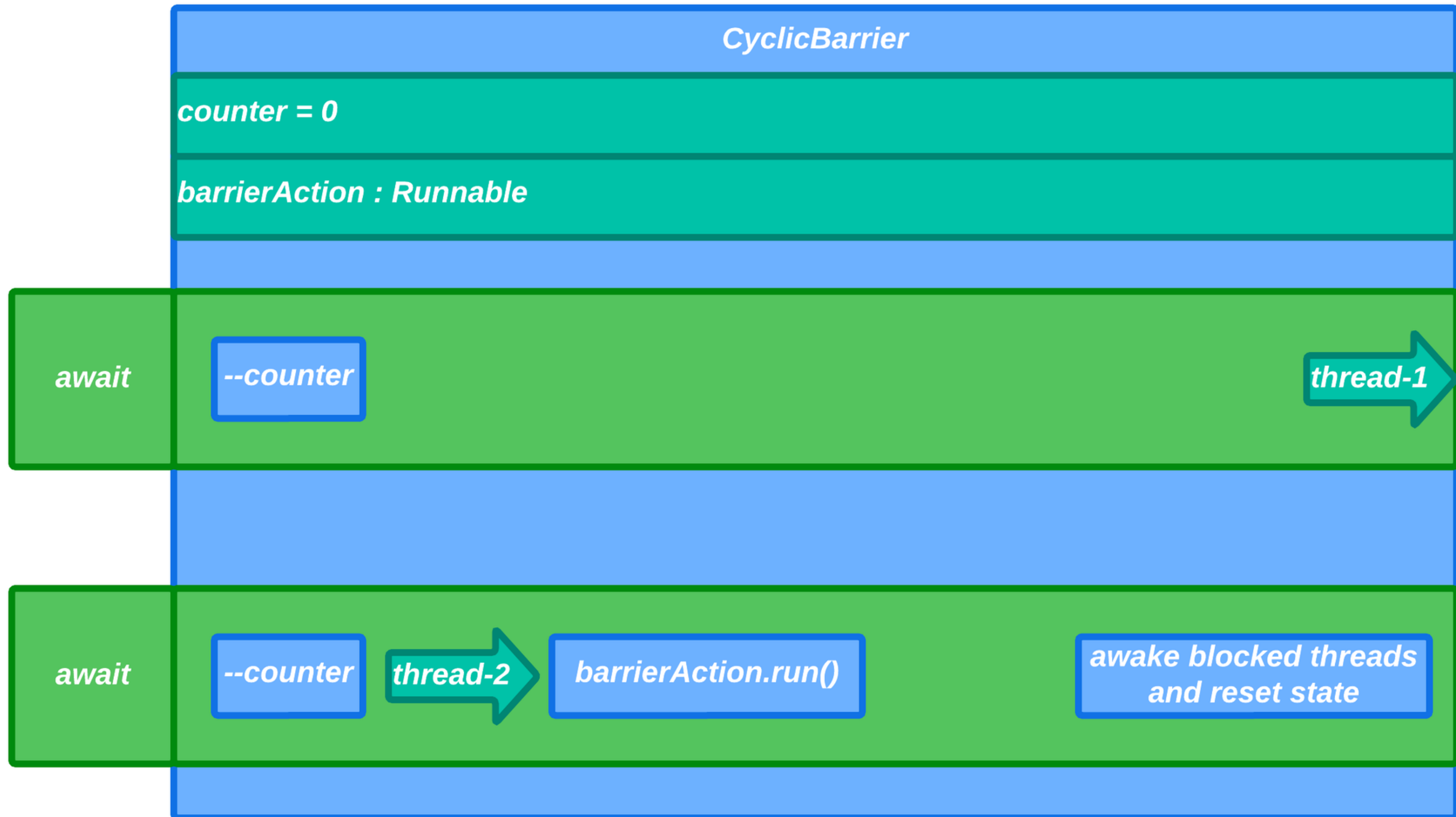
BARRIER ACTION



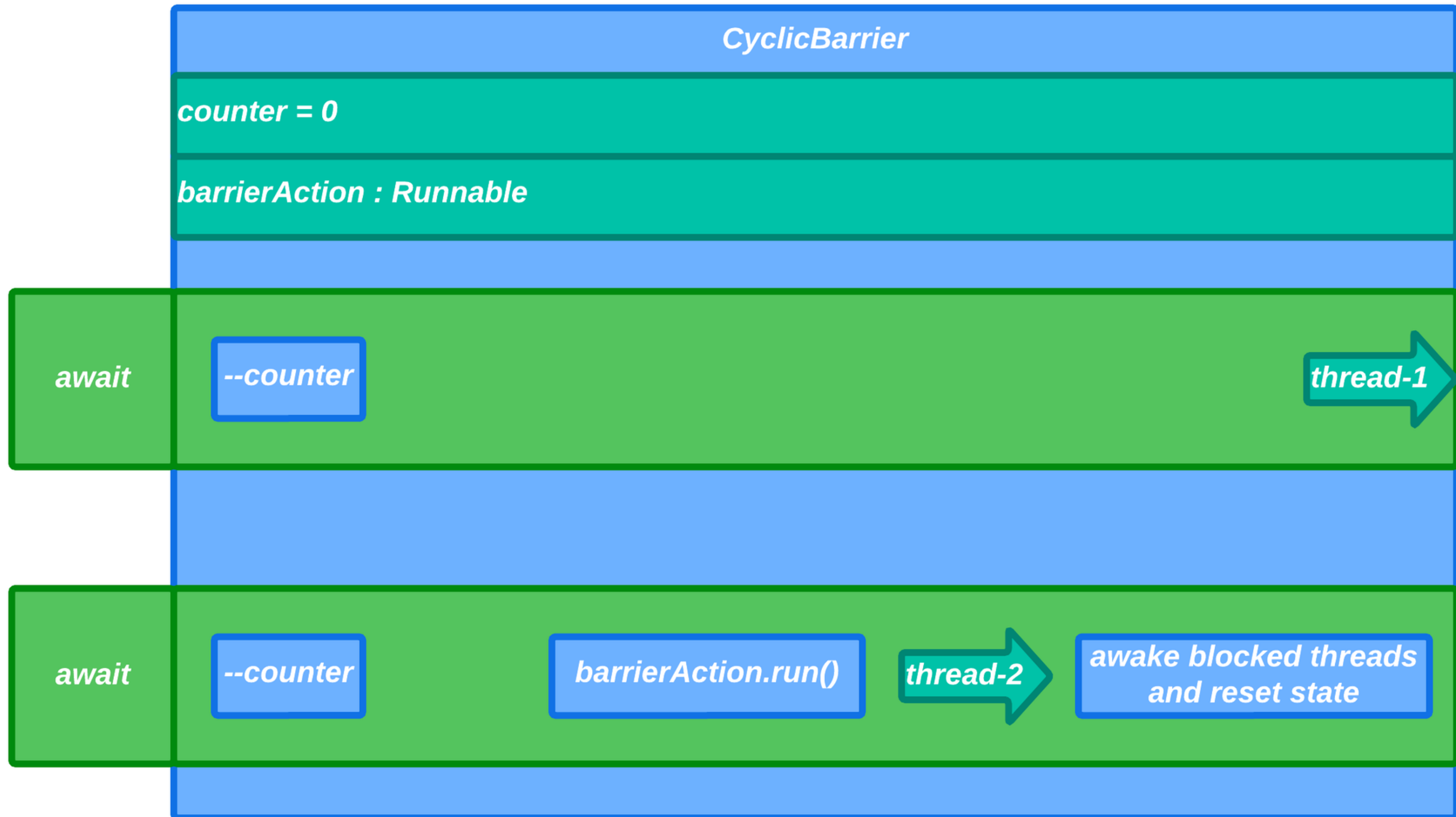
BARRIER ACTION



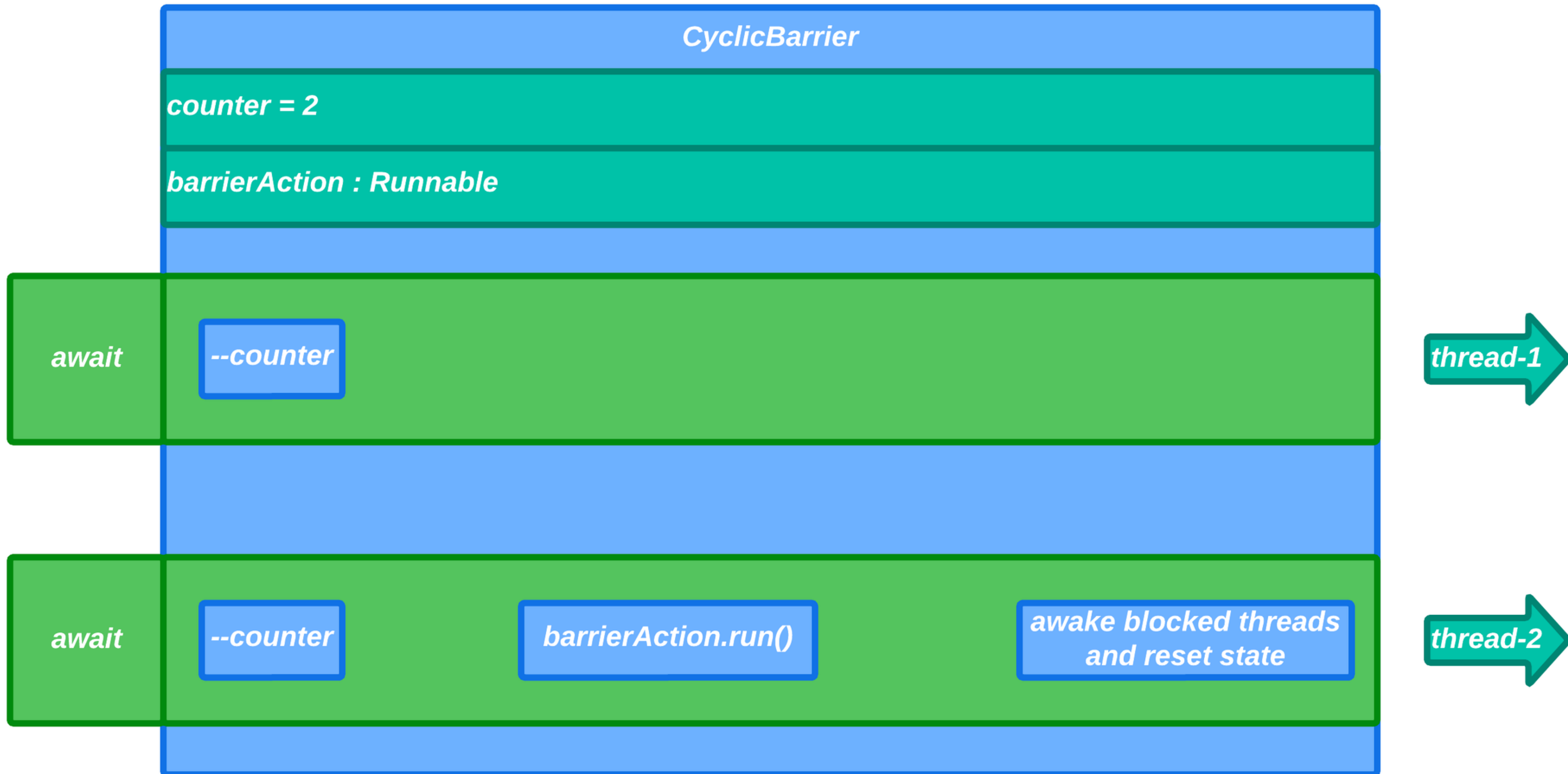
BARRIER ACTION



BARRIER ACTION



BARRIER ACTION



BROKEN BARRIER EXCEPTION

