

Musterlösungen zu den Tutoraufgaben auf  
Blatt 8  
der Übungen zur Vorlesung  
“Grundlagen Betriebssysteme und Systemsoftware

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G.Groh, 10.12.2008

## Aufgabe 4.1 Lösungsvorschlag

(a) The last thread exits. (b) A thread executes `ExitProcess`. (c) Another process with a handle to this one kills it.

## Aufgabe 4.2 Lösungsvorschlag

The Windows 2000 Professional quantum is 20 msec and there are 12 threads at priorities higher than 3. Thus the first priority 3 thread must wait 240 msec until it gets a shot.

## Aufgabe 4.3 Lösungsvorschlag

At most a few microseconds. It preempts the current thread immediately. It is just a question of how long it takes to run the dispatcher code to do the thread switch.

## Aufgabe 4.4 Lösungsvorschlag

Having your priority lowered below the base priority could be used as a punishment for using excessive CPU time or other resources.