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**Auswertung der verschiedenen Strategien :**

Die Hauptziele der fünf Strategien sind die Mutual Exclusion der Prozesse 1 und 2, damit sie wenn sie parallel laufen, nicht gleichzeitig in den kritischen Bereich kommen können, und die Vermeidung von Deadlocks und Livelocks, wenn die beiden Prozesse aufeinander unendlich lang warten würden.

Daher versuchen wir, die beste Lösungsstrategie in dieser Aufgabe zu finden und erklären das Prinzip jeder Strategie, die möglichen Probleme und die Ursachen dieser Probleme.

**Strategie 1 :**

Die Variable turn wurde auf 1 deklariert und die beide Prozesse kommunizieren miteinander durch die Variable turn, wobei turn nach dem kritischen Bereich jedes Prozesses zwischen 1 und 2 wechselt und in jedem Lauf den Wert von der Variable turn überprüft, damit beide Prozesse nicht gleichzeitig in den kritischen Bereich kommen können.

Das Problem in dieser Strategie liegt darin, dass wenn ein Prozess außerhalb seines kritischen Bereiches gestoppt wird, der andere Prozess als Folge davon blockiert wird und deswegen ist diese Lösung nicht die gewünschte Lösung.

2020/04/15 11:43:58.544576 controller.go:32: entered CS: 2 2020/04/15 11:43:58.544576 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 11:43:58.594579 controller.go:47: left CS: 2 2020/04/15 11:43:58.594579 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 11:43:58.634581 controller.go:32: entered CS: 1 2020/04/15 11:43:58.634581 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 11:43:58.684584 controller.go:47: left CS: 1

2020/04/15 11:43:58.684584 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 11:43:58.694585 controller.go:32: entered CS: 2 2020/04/15 11:43:58.694585 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 11:43:58.744588 controller.go:47: left CS: 2 2020/04/15 11:43:58.744588 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 11:43:58.784590 controller.go:32: entered CS: 1 2020/04/15 11:43:58.784590 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 11:43:58.834593 controller.go:47: left CS: 1

2020/04/15 11:43:58.834593 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 11:43:58.844593 controller.go:32: entered CS: 2 2020/04/15 11:43:58.844593 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 11:43:58.894596 controller.go:47: left CS: 2

2020/04/15 11:43:58.894596 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 11:43:58.935598 controller.go:32: entered CS: 1 2020/04/15 11:43:58.935598 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 11:43:58.985601 controller.go:47: left CS: 1

2020/04/15 11:43:58.985601 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 11:43:58.994602 controller.go:32: entered CS: 2 2020/04/15 11:43:58.994602 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 11:43:59.044605 controller.go:47: left CS: 2 2020/04/15 11:43:59.044605 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 11:43:59.087607 ewd123a.go:48: Process 1 crashed

**Strategie 2 :**

Die Variablen c1,c2 wurden beide auf 1 deklariert und werden immer andersherum im Verlauf der parallelen Prozesse vor dem kritischen Bereich auf 0 und nach dem kritischen Bereich auf 1 initialisiert, damit die beiden Prozesse nicht gleichzeitig in den kritischen Bereich kommen können.

Das Problem in dieser Strategie ist, dass wenn der Wert von c1 = 0 beim ersten Prozess vor dem Kritischen Bereich initialisiert wird und danach direkt der Wert von c2 = 0 beim zweiten Prozess vor dem kritischen Bereich initialisiert wird, kommen die beide Prozesse zusammen in den kritischen Bereich und deswegen ist diese Lösung nicht die gewünschte Lösung.

2020/04/15 13:29:25.331157 controller.go:32: entered CS: 1 2020/04/15 13:29:25.331157 ewd123b.go:65: Process 2 waiting 2020/04/15 13:29:25.331157 ewd123b.go:65: Process 2 waiting 2020/04/15 13:29:25.331157 controller.go:57: inside CS: 1 (0 msecs) 2020/04/15 13:29:25.331157 ewd123b.go:65: Process 2 waiting 2020/04/15 13:29:25.331157 ewd123b.go:65: Process 2 waiting 2020/04/15 13:29:25.331157 controller.go:47: left CS: 1 2020/04/15 13:29:25.331157 ewd123b.go:65: Process 2 waiting 2020/04/15 13:29:25.331157 controller.go:67: outside CS: 1 (1 msecs) 2020/04/15 13:29:25.331157 controller.go:32: entered CS: 2

2020/04/15 13:29:25.331157 controller.go:57: inside CS: 2 (0 msecs) 2020/04/15 13:29:25.331157 controller.go:47: left CS: 2 2020/04/15 13:29:25.331157 controller.go:67: outside CS: 2 (1 msecs)

2020/04/15 13:29:25.332157 controller.go:32: entered CS: 2

2020/04/15 13:29:25.332157 ewd123b.go:37: Process 1 waiting 2020/04/15 13:29:25.332157 controller.go:57: inside CS: 2 (0 msecs) 2020/04/15 13:29:25.332157 ewd123b.go:37: Process 1 waiting 2020/04/15 13:29:25.332157 ewd123b.go:37: Process 1 waiting 2020/04/15 13:29:25.332157 controller.go:47: left CS: 2 2020/04/15 13:29:25.332157 ewd123b.go:37: Process 1 waiting 2020/04/15 13:29:25.332157 controller.go:32: entered CS: 1 2020/04/15 13:29:25.332157 controller.go:57: inside CS: 1 (0 msecs)

2020/04/15 13:29:25.332157 controller.go:47: left CS: 1 2020/04/15 13:29:25.332157 controller.go:67: outside CS: 1 (1 msecs) 2020/04/15 13:29:25.332157 controller.go:67: outside CS: 2 (1 msecs)

2020/04/15 13:29:25.333157 controller.go:32: entered CS: 1 2020/04/15 13:29:25.333157 controller.go:32: entered CS: 2

2020/04/15 13:29:25.333157 controller.go:55: Process 1 tried to work inside the critical section while it has not occupied it

**Strategie 3 :**

Strategie 3 ist genauso wie die Strategie 2, der einzige Unterschied ist, dass die Initialisierung von c1,c2 = 0 am Anfang des Prozesses geschieht.

Das Problem dieser Strategie ist, dass wenn die Werte von c1 = 0 beim ersten Prozess und c2 = 0 beim zweiten Prozess nacheinander direkt initialisiert werden, kommen die beiden Prozesse zum Livelock(Mutual Blocking), wobei jeder Prozess auf den anderen in einer Endlosschleife wartet.

2020/04/15 17:32:03.814129 controller.go:57: inside CS: 1 (1 msecs) 2020/04/15 17:32:03.814129 controller.go:67: outside CS: 2 (1 msecs)

2020/04/15 17:32:03.815129 controller.go:47: left CS: 1

2020/04/15 17:32:03.815129 controller.go:67: outside CS: 1 (1 msecs)

2020/04/15 17:32:03.815129 controller.go:32: entered CS: 2

2020/04/15 17:32:03.815129 controller.go:57: inside CS: 2 (1 msecs)

2020/04/15 17:32:03.816129 controller.go:47: left CS: 2

2020/04/15 17:32:03.816129 controller.go:67: outside CS: 2 (1 msecs) 2020/04/15 17:32:03.816129 controller.go:32: entered CS: 1 2020/04/15 17:32:03.816129 controller.go:57: inside CS: 1 (1 msecs)

2020/04/15 17:32:03.817129 controller.go:47: left CS: 1 2020/04/15 17:32:03.817129 controller.go:67: outside CS: 1 (1 msecs)

2020/04/15 17:32:03.817129 controller.go:32: entered CS: 2 2020/04/15 17:32:03.817129 controller.go:57: inside CS: 2 (1 msecs)

2020/04/15 17:32:03.818129 controller.go:47: left CS: 2

2020/04/15 17:32:03.818129 controller.go:67: outside CS: 2 (1 msecs) 2020/04/15 17:32:03.818129 controller.go:32: entered CS: 1 2020/04/15 17:32:03.818129 controller.go:57: inside CS: 1 (1 msecs)

2020/04/15 17:32:03.819129 controller.go:47: left CS: 1

2020/04/15 17:32:03.819129 controller.go:67: outside CS: 1 (1 msecs) 2020/04/15 17:32:03.819129 controller.go:32: entered CS: 2 2020/04/15 17:32:03.819129 controller.go:57: inside CS: 2 (1 msecs)

2020/04/15 17:32:03.821129 controller.go:47: left CS: 2 2020/04/15 17:32:03.821129 controller.go:67: outside CS: 2 (1 msecs)

2020/04/15 17:32:03.821129 controller.go:32: entered CS: 1

2020/04/15 17:32:03.821129 controller.go:57: inside CS: 1 (1 msecs)

2020/04/15 17:32:03.824129 controller.go:47: left CS: 1

2020/04/15 17:32:03.824129 controller.go:67: outside CS: 1 (1 msecs)  
2020/04/15 17:36:41.591017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.591017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.592017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.592017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.592017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.592017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.592017 ewd123c.go:63: Process 2 waiting

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2020/04/15 17:36:41.592017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.591017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.592017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.592017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.593017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.595017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.595017 ewd123c.go:37: Process 1 waiting

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2020/04/15 17:36:41.595017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.595017 ewd123c.go:37: Process 1 waiting

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2020/04/15 17:36:41.596017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.596017 ewd123c.go:37: Process 1 waiting

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2020/04/15 17:36:41.596017 ewd123c.go:37: Process 1 waiting

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2020/04/15 17:36:41.596017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.596017 ewd123c.go:37: Process 1 waiting

2020/04/15 17:36:41.595017 ewd123c.go:63: Process 2 waiting

2020/04/15 17:36:41.596017 ewd123c.go:63: Process 2 waiting

**Strategie 4 :**

Strategie 4 ist genauso wie die Strategie 3, aber diese Strategie führt nicht zum Mutual Blocking, weil der Wert von C wieder auf 1 zurückgesetzt wird, bevor der Prozess wiederholt wird.

Aber auch diese Lösung ist nicht ideal wegen der ineffizienten Geschwindigkeit, weil kein Prozess in den kritischen Bereich hereinkommen kann, solange der andere C Wert auf 0 gesetzt wird, was Wartezeit braucht.

Wenn die Prozesse gleichzeitig in den kritischen Bereich kommen, sollen keine Verschiebungen oder Zeitverlängerungen verursacht werden, deshalb ist diese Lösung auch nicht ganz effizient..

2020/04/15 17:46:59.795376 controller.go:32: entered CS: 2

2020/04/15 17:46:59.795376 controller.go:57: inside CS: 2 (1 msecs)

2020/04/15 17:46:59.796376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.796376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.796376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.797376 ewd123d.go:38: Process 1 waiting

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2020/04/15 17:46:59.797376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.798376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.798376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.798376 ewd123d.go:38: Process 1 waiting

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2020/04/15 17:46:59.798376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.799376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.799376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.799376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.799376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.798376 controller.go:47: left CS: 2

2020/04/15 17:46:59.800376 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.800376 controller.go:32: entered CS: 1

2020/04/15 17:46:59.801376 controller.go:57: inside CS: 1 (1 msecs)

2020/04/15 17:46:59.800376 controller.go:67: outside CS: 2 (1 msecs)

2020/04/15 17:46:59.802376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.802376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.802376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.802376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.803376 ewd123d.go:66: Process 2 waiting

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2020/04/15 17:46:59.803376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.804376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.802376 controller.go:47: left CS: 1

2020/04/15 17:46:59.804376 controller.go:67: outside CS: 1 (1 msecs)

2020/04/15 17:46:59.804376 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.805377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.805377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.805377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.805377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.806377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.805377 controller.go:32: entered CS: 1

2020/04/15 17:46:59.806377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.806377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.807377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.806377 controller.go:57: inside CS: 1 (1 msecs)

2020/04/15 17:46:59.807377 ewd123d.go:66: Process 2 waiting

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2020/04/15 17:46:59.809377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.809377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.808377 controller.go:47: left CS: 1

2020/04/15 17:46:59.811377 controller.go:67: outside CS: 1 (1 msecs)

2020/04/15 17:46:59.810377 ewd123d.go:66: Process 2 waiting

2020/04/15 17:46:59.811377 controller.go:32: entered CS: 2

2020/04/15 17:46:59.811377 controller.go:57: inside CS: 2 (1 msecs)

2020/04/15 17:46:59.812377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.812377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.812377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.813377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.813377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.813377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.814377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.813377 controller.go:47: left CS: 2

2020/04/15 17:46:59.814377 controller.go:67: outside CS: 2 (1 msecs)

2020/04/15 17:46:59.814377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.815377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.815377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.816377 ewd123d.go:38: Process 1 waiting

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2020/04/15 17:46:59.816377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.817377 ewd123d.go:38: Process 1 waiting

2020/04/15 17:46:59.815377 controller.go:32: entered CS: 2

**Strategie 5 :**

Strategie 5 ist die bestmögliche Lösungsstrategie aller fünf angegebenen Strategien. Sie hat das selbe Arbeitsprinzip wie Strategie 4, aber mit einer Lösung für ihr Problem, bei dem das Eintreten des kritischen Bereiches von der Initialisierung der Variable C abhängt, was eine Wartezeit für jeden Prozess kostet um in den kritischen Bereich reinkommen zu können, deswegen nutzt diese Strategie noch die Variable turn um die Initialisierung von c = 1 zu halten bis der andere Prozess den kritischen Bereich verlässt, sodass keine Zeit dazwischen verloren wird.

Daher können wir daraus erschließen, dass diese Strategie zur Vermeidung von Deadlocks, Livelocks, Endlosschleifen, gleichzeitiger Zugriffe der Prozesse auf den kritischen Bereich und auch von Wartezeit beim Wechsel der Prozesse, dies bedeutet das diese Straegie die gewünschte Lösung ist.

2020/04/15 17:55:28.263459 ewd123.go:33: \*\*\* Start

2020/04/15 17:55:28.265459 controller.go:32: entered CS: 2

2020/04/15 17:55:28.265459 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:28.331463 controller.go:47: left CS: 2

2020/04/15 17:55:28.331463 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:28.331463 controller.go:32: entered CS: 1

2020/04/15 17:55:28.332463 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:28.382465 controller.go:47: left CS: 1

2020/04/15 17:55:28.382465 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:28.431468 controller.go:32: entered CS: 2

2020/04/15 17:55:28.431468 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:28.481471 controller.go:47: left CS: 2

2020/04/15 17:55:28.481471 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:28.482471 controller.go:32: entered CS: 1

2020/04/15 17:55:28.482471 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:28.532474 controller.go:47: left CS: 1

2020/04/15 17:55:28.532474 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:28.581477 controller.go:32: entered CS: 2

2020/04/15 17:55:28.581477 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:28.631480 controller.go:47: left CS: 2

2020/04/15 17:55:28.631480 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:28.632480 controller.go:32: entered CS: 1

2020/04/15 17:55:28.632480 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:28.682483 controller.go:47: left CS: 1

2020/04/15 17:55:28.682483 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:28.738486 controller.go:32: entered CS: 2

2020/04/15 17:55:28.739486 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:28.798489 controller.go:47: left CS: 2

2020/04/15 17:55:28.798489 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:28.798489 ewd123dekker.go:48: Process 1 waiting

2020/04/15 17:55:28.798489 controller.go:32: entered CS: 1

2020/04/15 17:55:28.799489 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:28.849492 controller.go:47: left CS: 1

2020/04/15 17:55:28.849492 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:28.898495 controller.go:32: entered CS: 2

2020/04/15 17:55:28.898495 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:28.948498 controller.go:47: left CS: 2

2020/04/15 17:55:28.948498 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:28.949498 controller.go:32: entered CS: 1

2020/04/15 17:55:28.949498 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:28.999501 controller.go:47: left CS: 1

2020/04/15 17:55:28.999501 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:29.048504 controller.go:32: entered CS: 2

2020/04/15 17:55:29.048504 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:29.098506 controller.go:47: left CS: 2

2020/04/15 17:55:29.098506 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:29.099506 controller.go:32: entered CS: 1

2020/04/15 17:55:29.099506 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:29.149509 controller.go:47: left CS: 1

2020/04/15 17:55:29.149509 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:29.198512 controller.go:32: entered CS: 2

2020/04/15 17:55:29.198512 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:29.248515 controller.go:47: left CS: 2

2020/04/15 17:55:29.248515 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:29.250515 controller.go:32: entered CS: 1

2020/04/15 17:55:29.250515 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:29.300518 controller.go:47: left CS: 1

2020/04/15 17:55:29.300518 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:29.349521 controller.go:32: entered CS: 2

2020/04/15 17:55:29.349521 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:29.399524 controller.go:47: left CS: 2

2020/04/15 17:55:29.399524 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:29.401524 controller.go:32: entered CS: 1

2020/04/15 17:55:29.401524 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:29.451527 controller.go:47: left CS: 1

2020/04/15 17:55:29.451527 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:29.499529 controller.go:32: entered CS: 2

2020/04/15 17:55:29.499529 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:29.555533 controller.go:47: left CS: 2

2020/04/15 17:55:29.556533 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:29.556533 ewd123dekker.go:48: Process 1 waiting

2020/04/15 17:55:29.556533 controller.go:32: entered CS: 1

2020/04/15 17:55:29.556533 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:29.607536 controller.go:47: left CS: 1

2020/04/15 17:55:29.607536 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:29.656538 controller.go:32: entered CS: 2

2020/04/15 17:55:29.656538 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:29.707541 controller.go:47: left CS: 2

2020/04/15 17:55:29.707541 ewd123dekker.go:48: Process 1 waiting

2020/04/15 17:55:29.707541 controller.go:32: entered CS: 1

2020/04/15 17:55:29.707541 controller.go:67: outside CS: 2 (100 msecs)

2020/04/15 17:55:29.708541 controller.go:57: inside CS: 1 (50 msecs)

2020/04/15 17:55:29.758544 controller.go:47: left CS: 1

2020/04/15 17:55:29.758544 controller.go:67: outside CS: 1 (100 msecs)

2020/04/15 17:55:29.808547 controller.go:32: entered CS: 2

2020/04/15 17:55:29.808547 controller.go:57: inside CS: 2 (50 msecs)

2020/04/15 17:55:29.858550 controller.go:47: left CS: 2