

Programmierfallen #1 – unzulässige Kopplung

Kopplung von Zustand mit Programmablauf

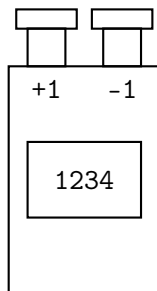
Stefan Helmert

entroserv.de

09/2019

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course

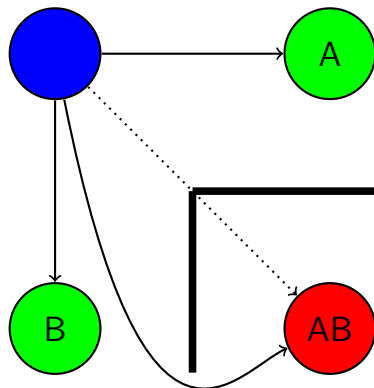
Ausgangssituation



Aufgabe

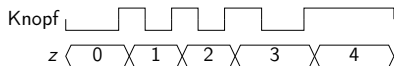
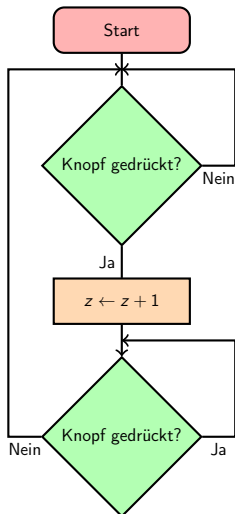
- ▶ zähle alle Tastendrücke
- ▶ Taste A erhöht um 1
- ▶ Taste B reduziert um 1
- ▶ nur ein Thread
- ▶ keine asynchrone Programmierung

Problemstellung



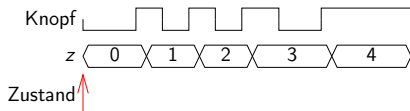
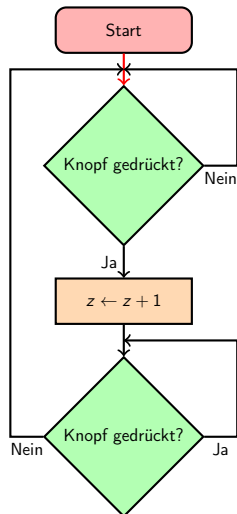
- ▶ Anforderung A
 - ▶ unmittelbar umsetzbar
- ▶ Anforderung B
 - ▶ unmittelbar umsetzbar
- ▶ Kombination aus A, B
 - ▶ komplexe Lösung

Problemanalyse

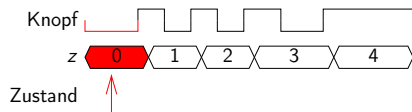
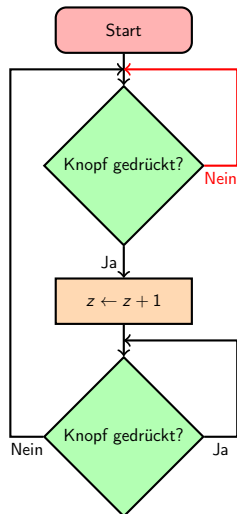


► zählt Tastendrucke: z

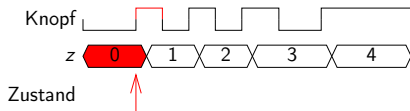
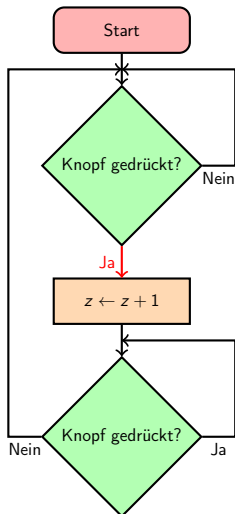
Problemanalyse



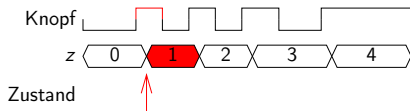
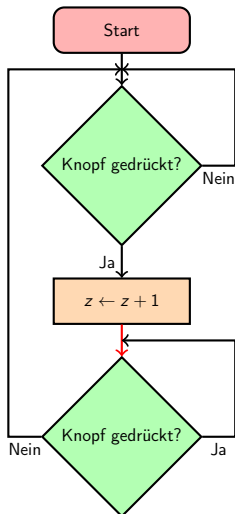
Problemanalyse



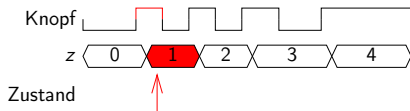
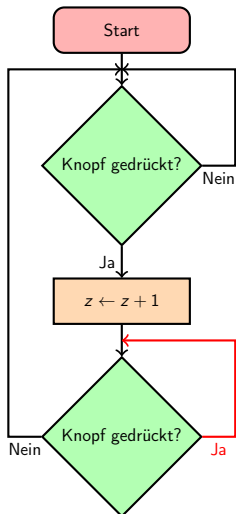
Problemanalyse



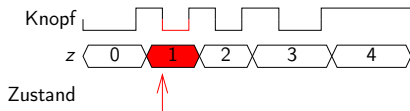
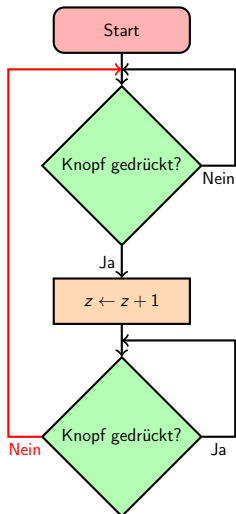
Problemanalyse



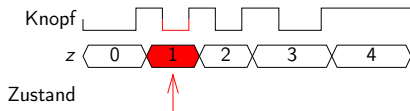
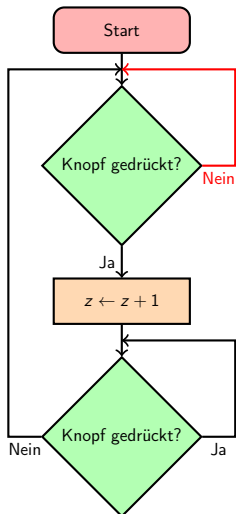
Problemanalyse



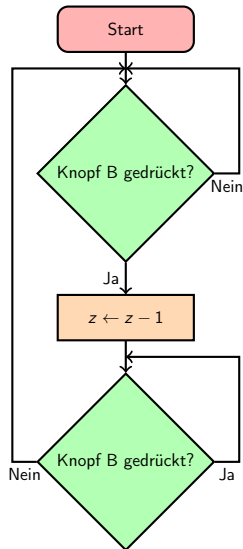
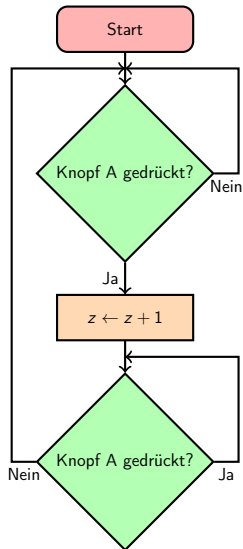
Problemanalyse



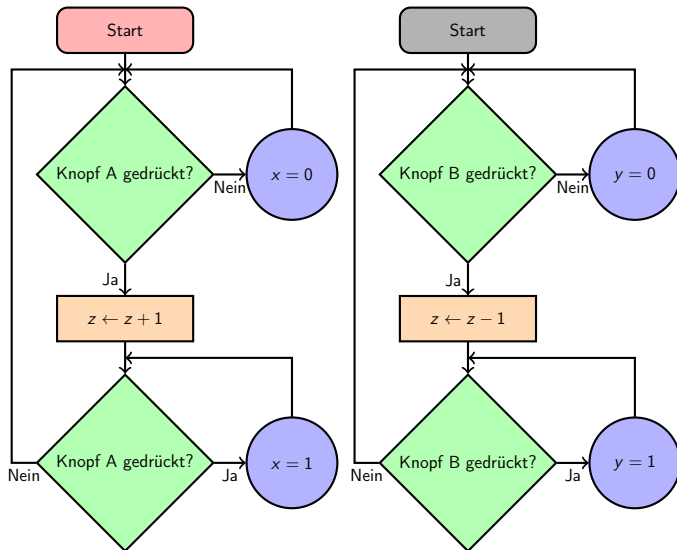
Problemanalyse



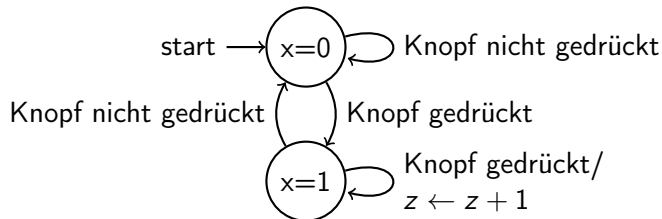
Problemanalyse



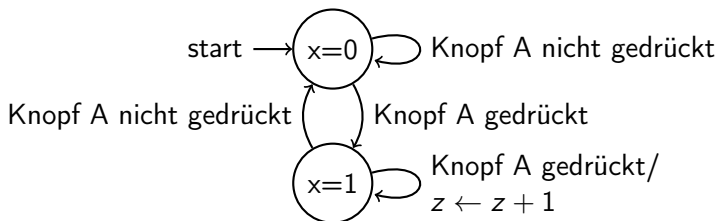
Lösungsansatz



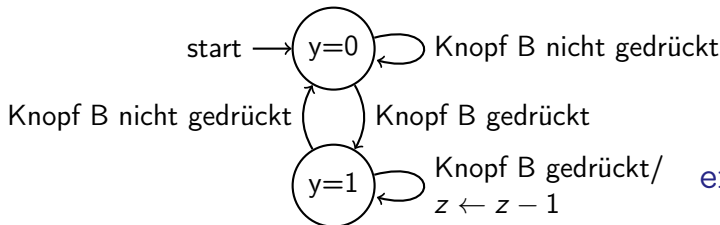
Zustandsautomat



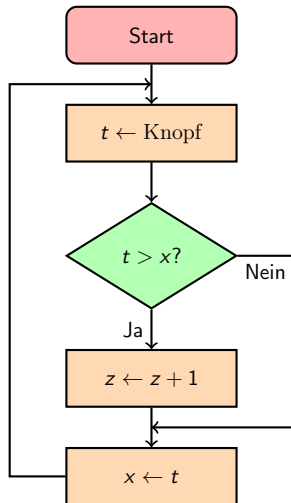
Zustandsautomat für Knopf A



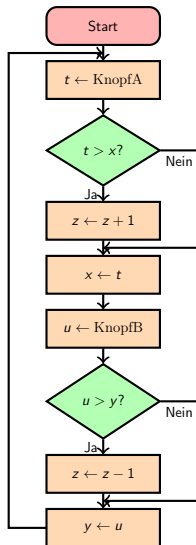
Zustandsautomat für Knopf B



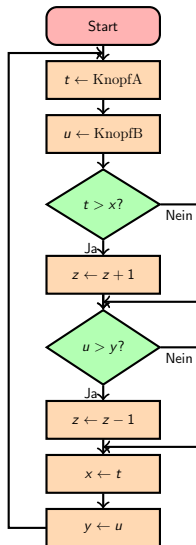
Lösung



Lösung



Lösung



Lösung

Folien <https://github.com/TheTesla/ProgrammierTutorial>

Github <https://github.com/TheTesla>

Webseite <https://entroserv.de/>

Mailingliste <https://www.lists.entroserv.de/listinfo/lounge>

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