

DESN2000  
(Computer Engineering)

Interrupts

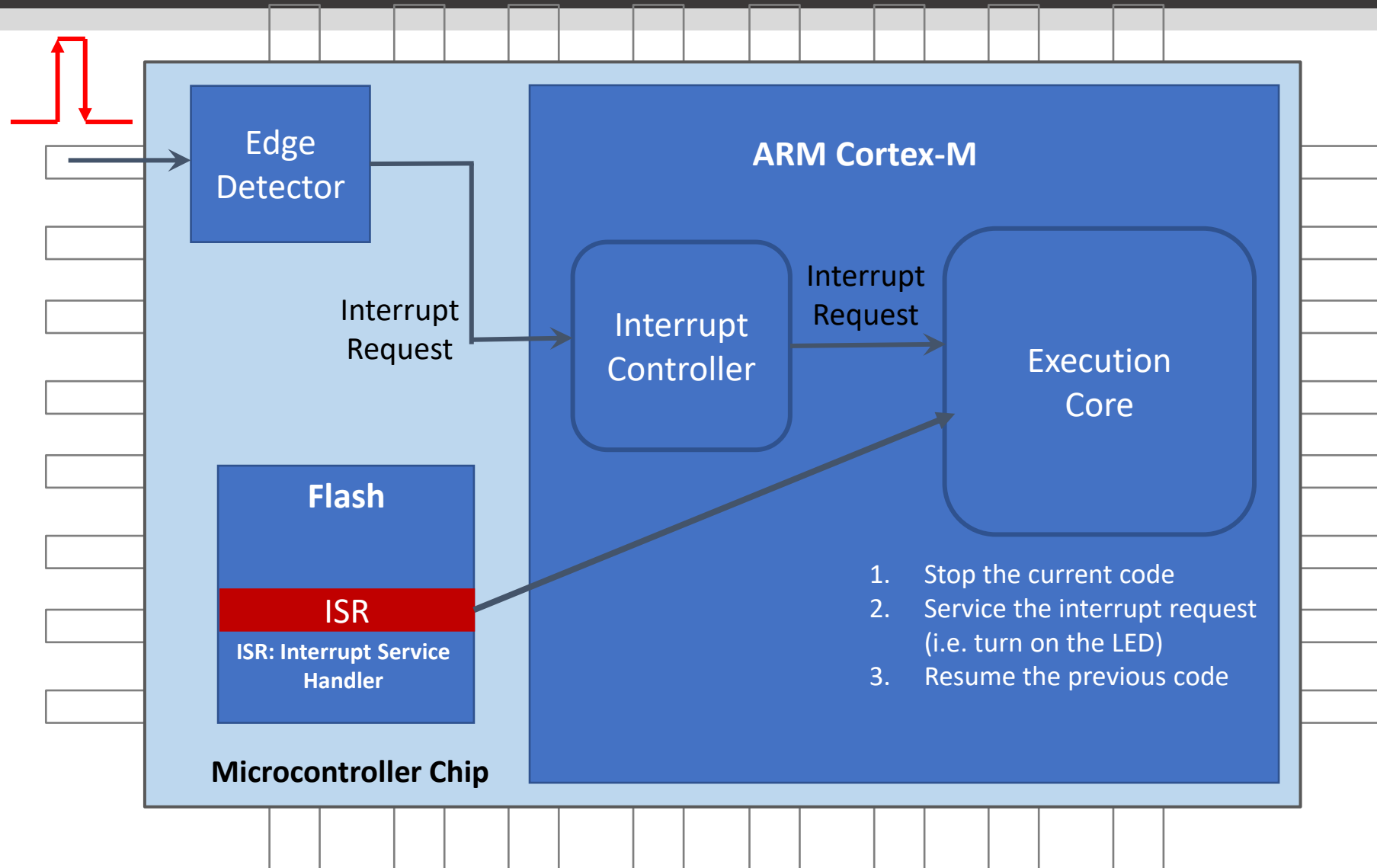
Hasindu Gamaarachchi

# Interrupts

- Theory covered on whiteboard

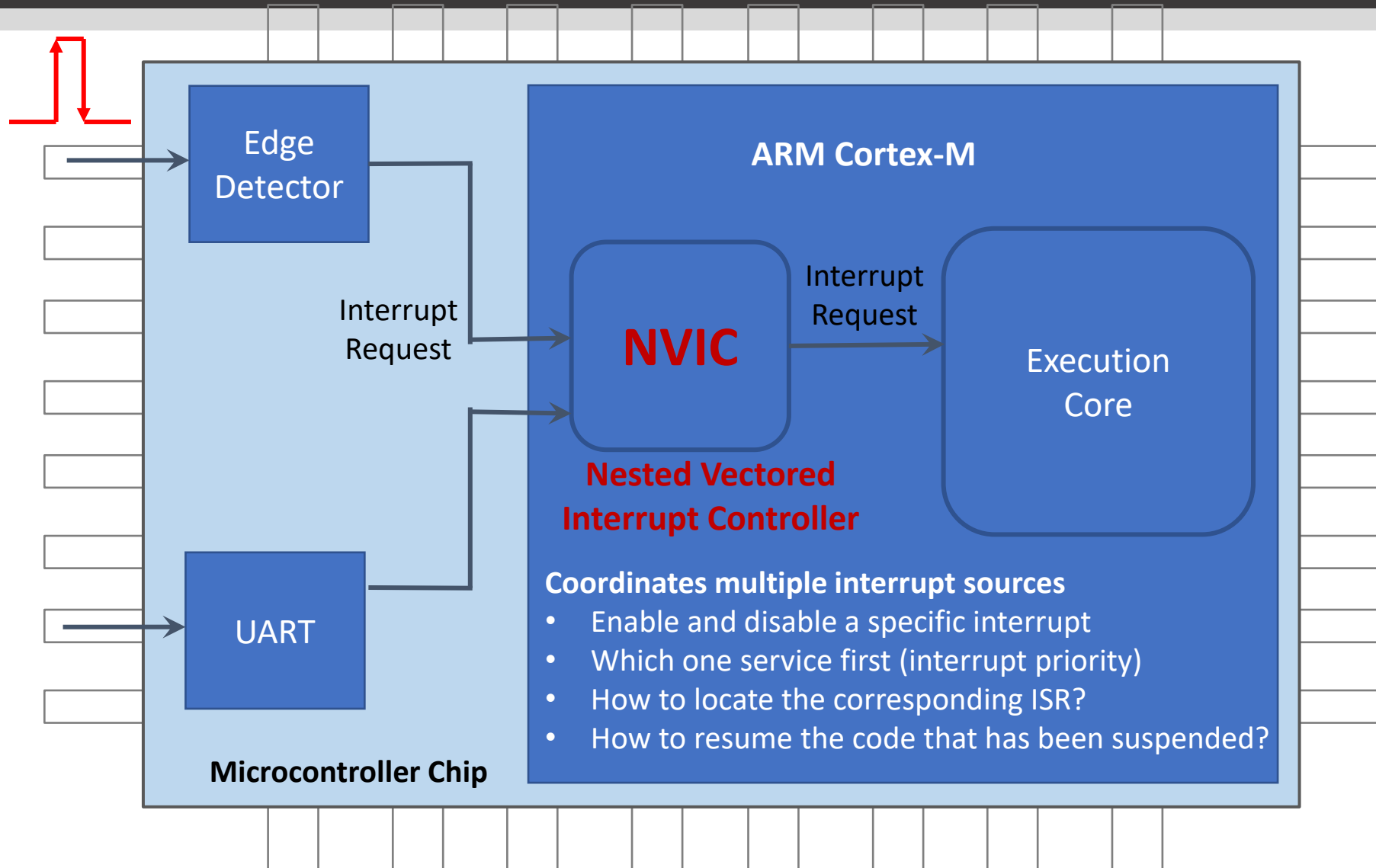
# How to support interrupt?

Figure from: Yifeng Zhu, Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C



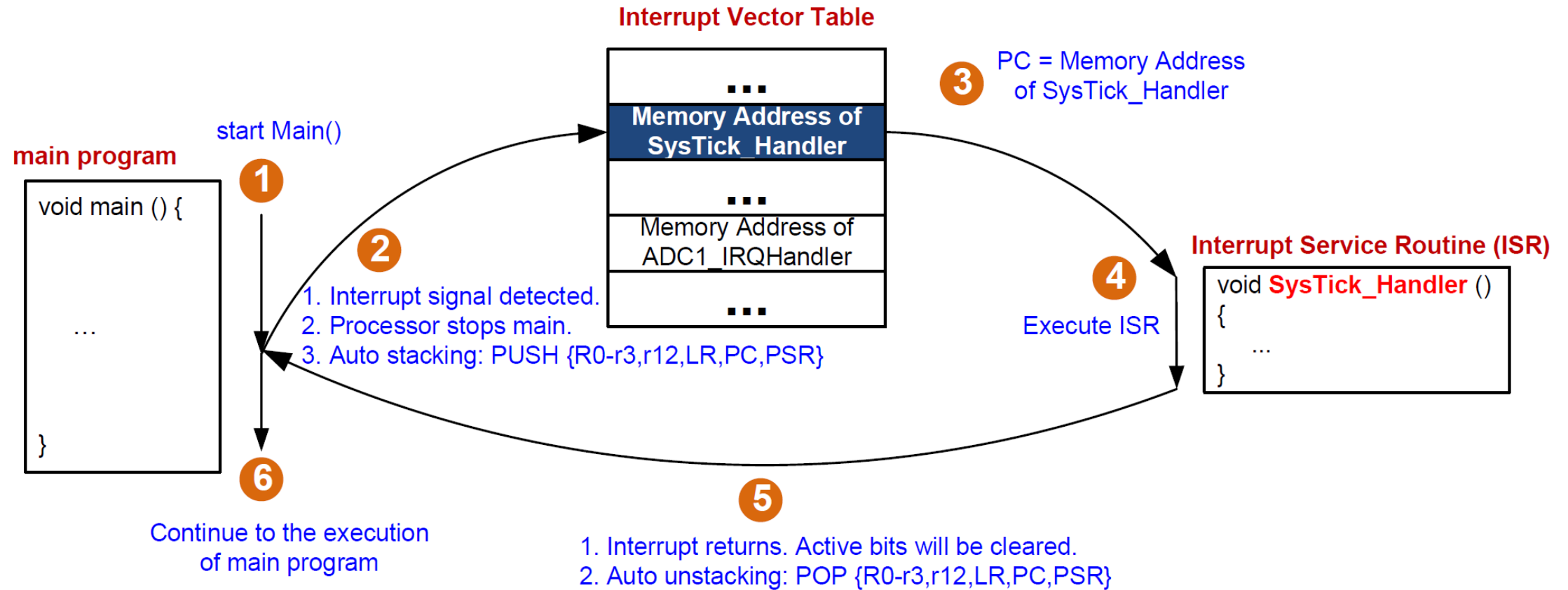
# How to support interrupt?

Figure from: Yifeng Zhu, Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C



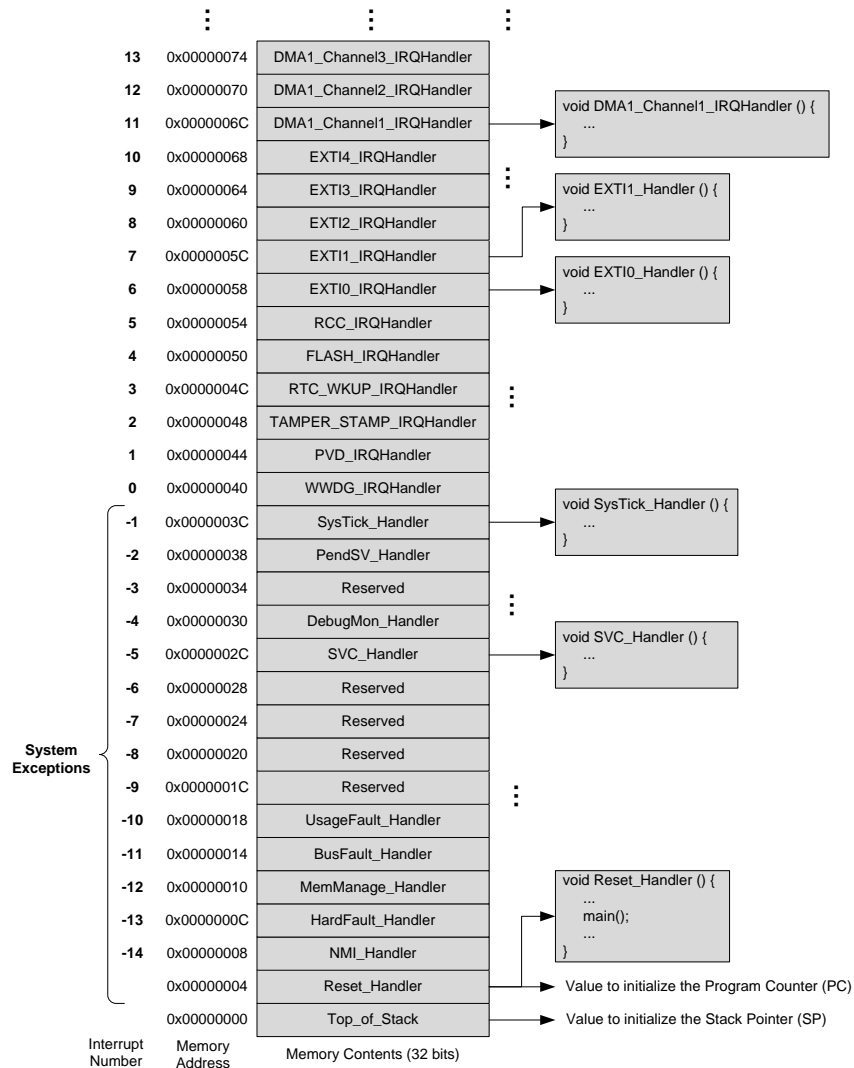
# Interrupts

Figure from: Yifeng Zhu, Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C



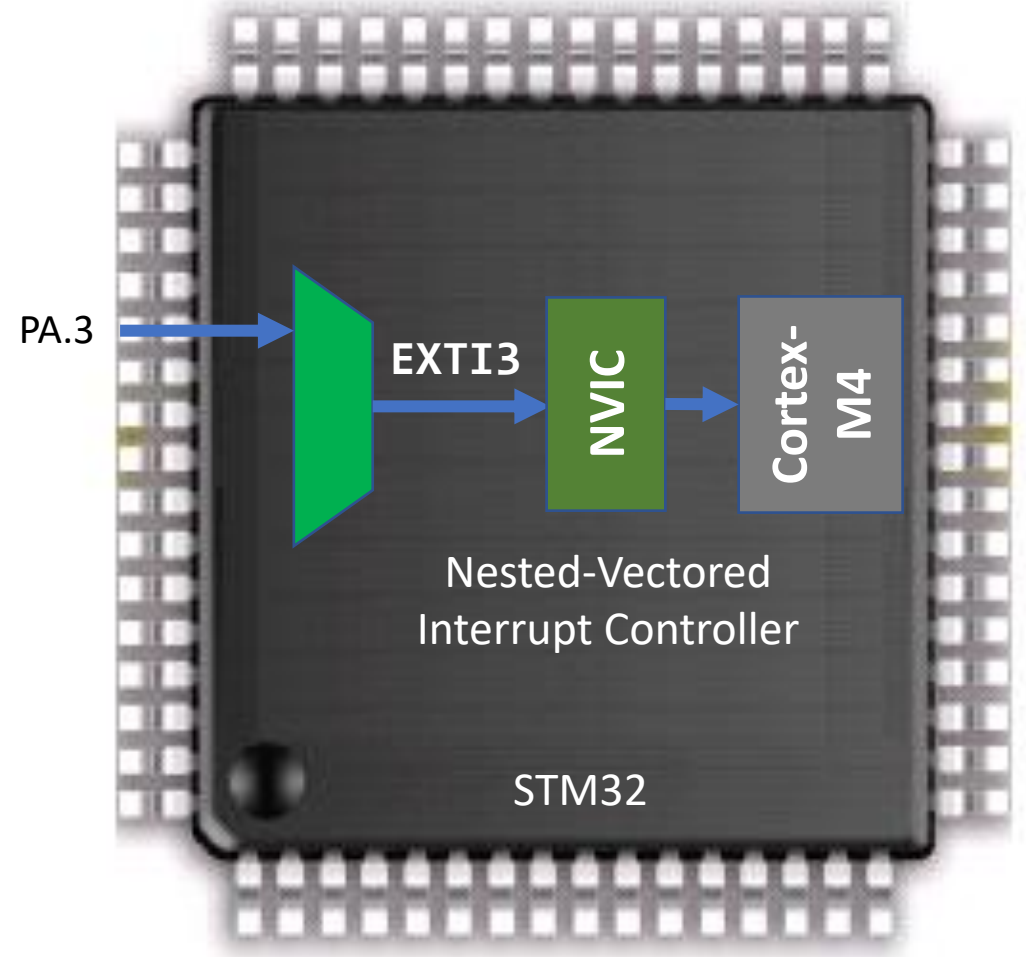
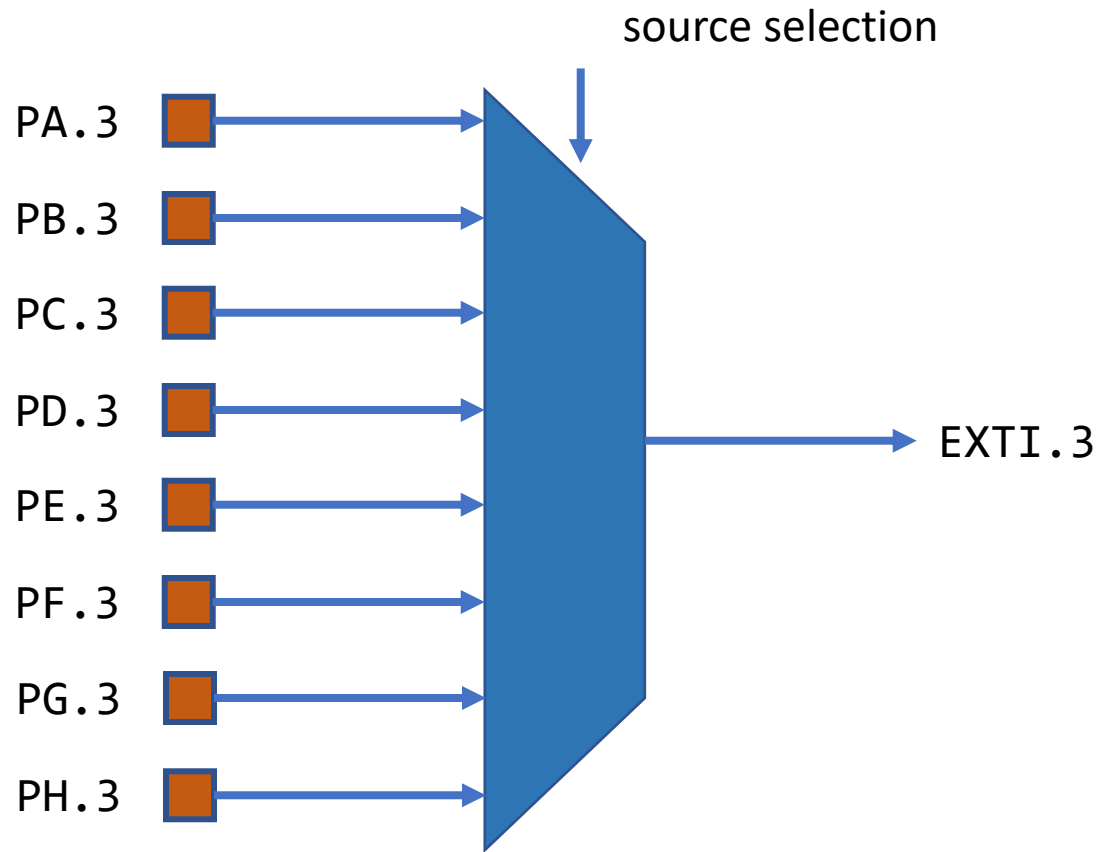
# Interrupts Vector Table

Figure from: Yifeng Zhu, Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C



# External Interrupt (EXTI) Sources

Figure from: Yifeng Zhu, Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C



# Interrupts

- Example covered as live demo

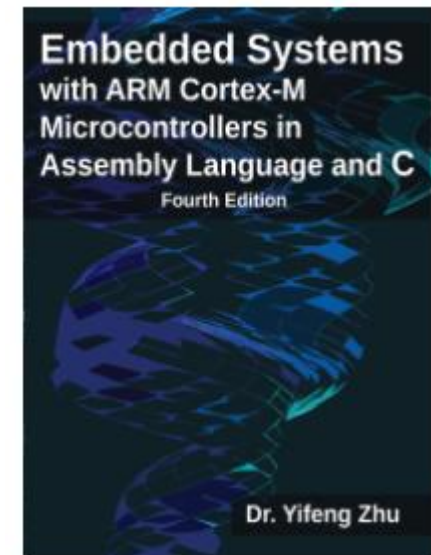


# Advanced Resources

## Interrupts in C and Assembly

“Embedded Systems with ARM Cortex-M Microcontrollers in Assembly Language and C (Fourth Edition)” – Yifeng Zhu

- Interrupts - chapter 11



# Course feedback so far



# Project!



<https://webcms3.cse.unsw.edu.au/DESN2000/24T2/resources/98744>