

Questions and tasks in Lecture 9

Task 9-1: Write a program that follows any changes on the INT0 pin and lights a LED if the input is low.

Bonus question: What has to be changed if the LED lights on the input high?

Questions and tasks in Lecture 9 - Continued

Task 9-2: Write a program that counts the key bounces on PB0 and display those on four LEDs attached to PA0 to PA3.

Bonus task: Clear the display if the PCINT input pin has been inactive for longer than five seconds.

Questions and tasks in Lecture 9 - Continued

Task 9-3: Build this hardware and measure the frequency on the input with the analog comparer. If this is between 49 and 51 Hz, light the green LED.

Touch the f_{IN} connector to test the hard- and software.

