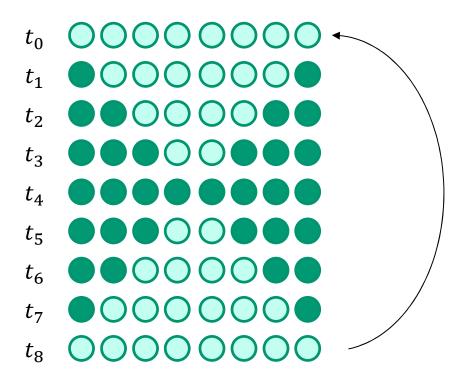


MICROCONTROLLERS

LAB – Practical Exercise



- Kitt 2.0: Implement in the PORTD the Kitt 2.0 effect with fixed delay between the transitions
- Counter: Implement a counter clocked at 1 Hz (max 255) and print it on the display





- Kitt 2.0 dynamic delay: Implement the dynamic delay in the kitt 2.0 effect using two push buttons,
 - RA3 → kitt delay ++
 - RA4 → kitt_delay ---
- Stopwatch: Transform the counter in stopwatch using three push buttons for Start/Stop/Reset functions,
 - RA0 → Start
 - RA1 → Stop
 - RA2 → Reset

1. Dynamic refresh: Refresh the display only when needs (e.g. when a new data is ready)







- 1. Stopwatch Format: Print the stop watch in xx:xx:xxx:xxx (h:m:s:ms/10) format
- 2. Stopwatch Precision: Enhance the stopwatch precision