\_create\_insts\_lengths(channels: List[PulseBlasterChannel], all\_off\_padding:int=0)

- Is an intermediate step to generate pb instructions:
  - Generates two array of equal lengths called inst\_lengths and switch\_falgs
  - o Inst\_lengths are durations of a instructions
  - o Switch\_flags are flags that toggle the state of the channel i.e: off-> to on and on-> off.
- This two array allows to compute the output state of pulse blaster.

## Example of desired pulse program



