**Upload until : 10:55**

The following quadrature receiver is given. The oscillator in the receiver is in perfect sync with the in-phase component of the received signal . Symbol period is 0.2s. Draw the incoming QPSK waveform in order for the receiver to output bcd-codes of the last two digits in your student-id (msb-first). Put timing marks/values on your drawing.

decision

0.15sn

delay

bcd-codes of last 2

digits of your student-id

local oscillator

Put your answer **in the** drawing-canvas below. **Do not** change anything else except putting your name/id on top of the page.

Upload your answer (word or pdf) before 10:55. **No e-mails** will be accepted.