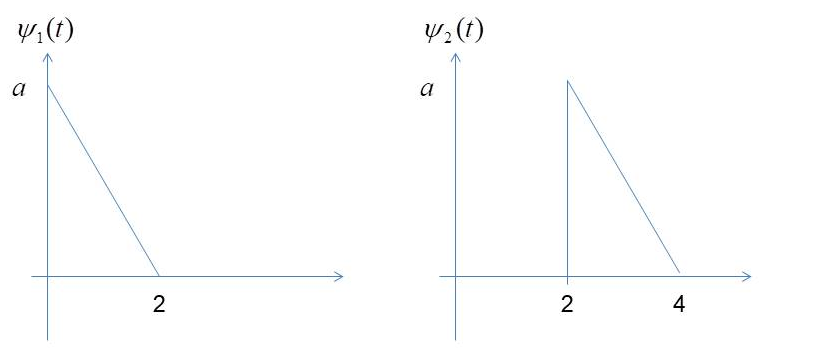
A binary communication system uses the following pulses:



where *ψ1*(*t*) and *ψ2*(*t*) are unit-energy rectangular pulses.

1. it is an antipodal or orthogonal modulation? Draw the constellation.
2. Determine a.
3. Sketch carefully a block diagram of the demodulator. In particular, you must give a detailed specification of the impulse response of the matched filter, the sampling time, and the decision rule

Domanda orale:

Cosa è il ricevitore ottimo?