

a
[01101...1]

Bits to
Messages

m
[0 1]
[1 0]
[1...]
...
[...1]

Messages
to Symbols

x
[1+i, 1-i, -1-i, -1+i]

Symbols to
Signals

$$s(mT_{\text{samp}}) = \sum_{n=0}^N x(nT_s)p(mT_{\text{samp}} - nT_s)$$

