M-QAM Mapper

October 5, 2016

This block does the mapping of the binary signal using a m-QAM modulation. It atributes to each pair of bits a point in the I-Q space. The constellation is defined by the *iqAmplitudes* vector.

Input Parameters

- m
- iqAmplitudes

Functional Description

Input Signals

Number: 1
Type: Binary (DiscreteTimeDiscreteAmplitude)

Output Signals

Number: 2
Type: Sequence of 1's and -1's (DiscreteTimeDiscreteAmplitude)

Examples

Sugestions for future improvement