

# Convolution Decode

03 Mai, 2016

# Kodierer Information

- ▶ Nicht-Rekursiver Kodierer
- ▶ Anzahl von Ausgängen :

$$N = 2$$

- ▶ Anzahl von Registern :

$$M = 2$$

- ▶ Generatoren :

$$(7, 5)_8 = \begin{pmatrix} 111 \\ 101 \end{pmatrix}$$

- ▶ Kode-Rate:

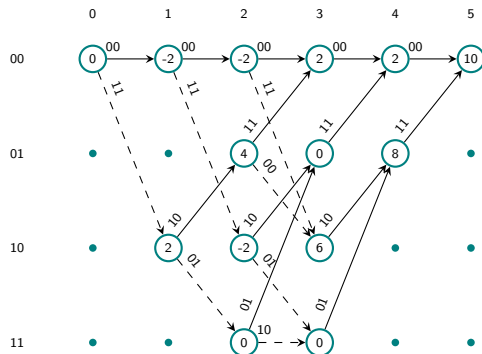
$$\frac{1}{2}$$

## Kodierer Matrix : Nächster Zustand

## Kodierer Matrix : Ausgangsbits

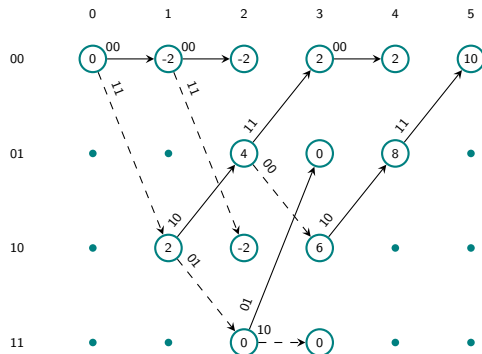
# Trellis Diagram

input:  $(-3, -1.3, -0.3, 2.7, -0.3, 1.1, 0.6, 0.9, -1.2, -1) = (1, 1, 1, 0, 1, 0, 0, 0, 1, 1)$



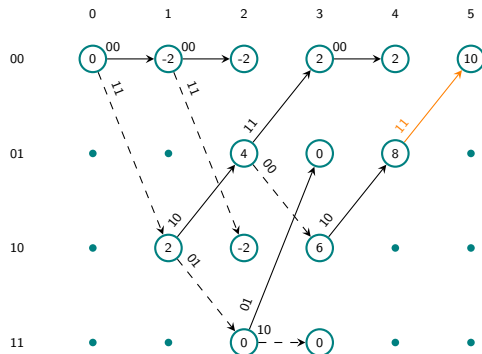
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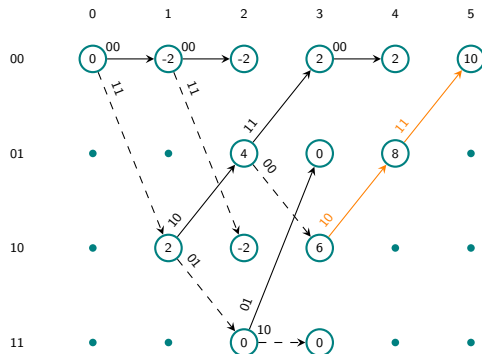
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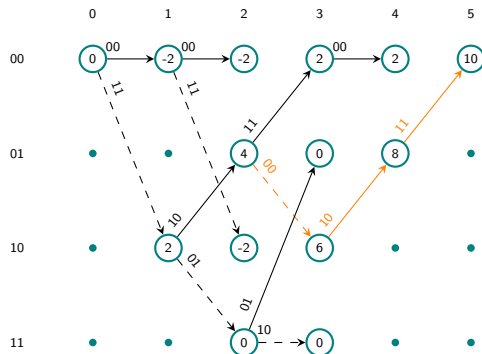
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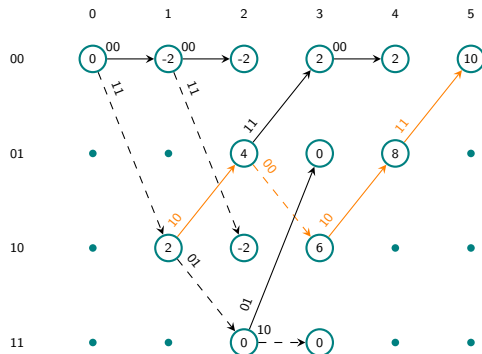
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