

FCAI

fcai.fi

Codebook \mathcal{C}

DGM: Discrete Global Model

$c(1)$



$c(2)$



$c(3)$






$c(|\mathcal{E}|)$





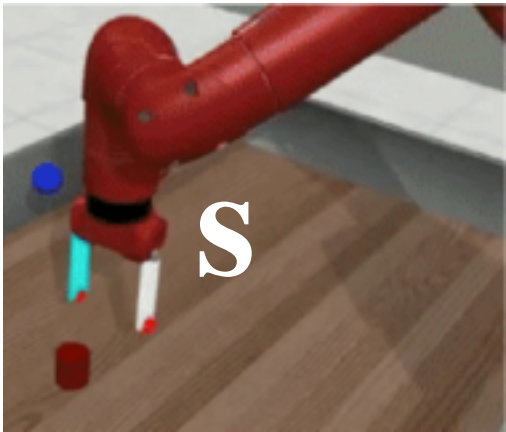
Number of
channels

$$b = 2$$



Number of
codes in
codebook

$$|\mathcal{C}| = 15$$





Encoder

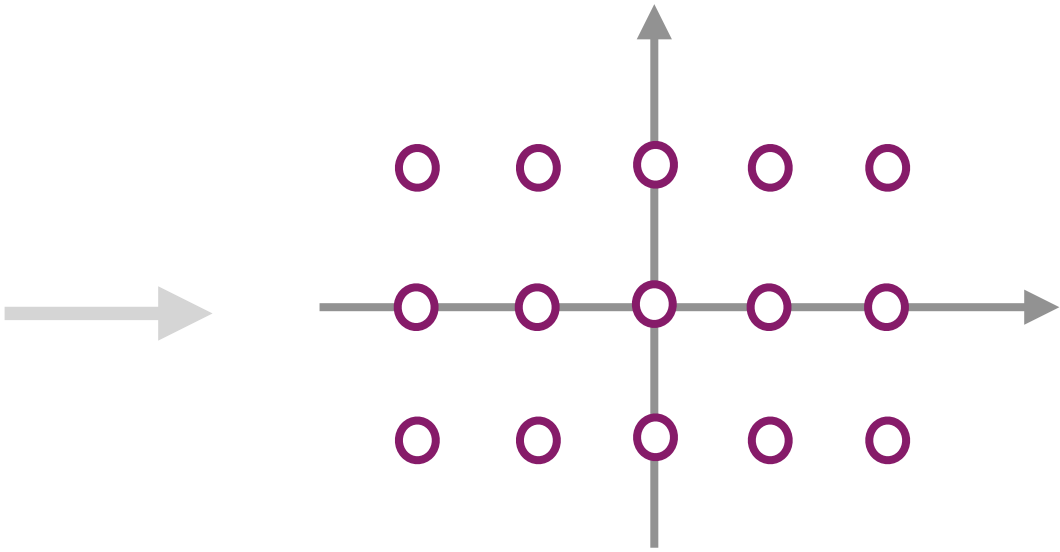


X





c



$\mathbb{R}^d \times b$

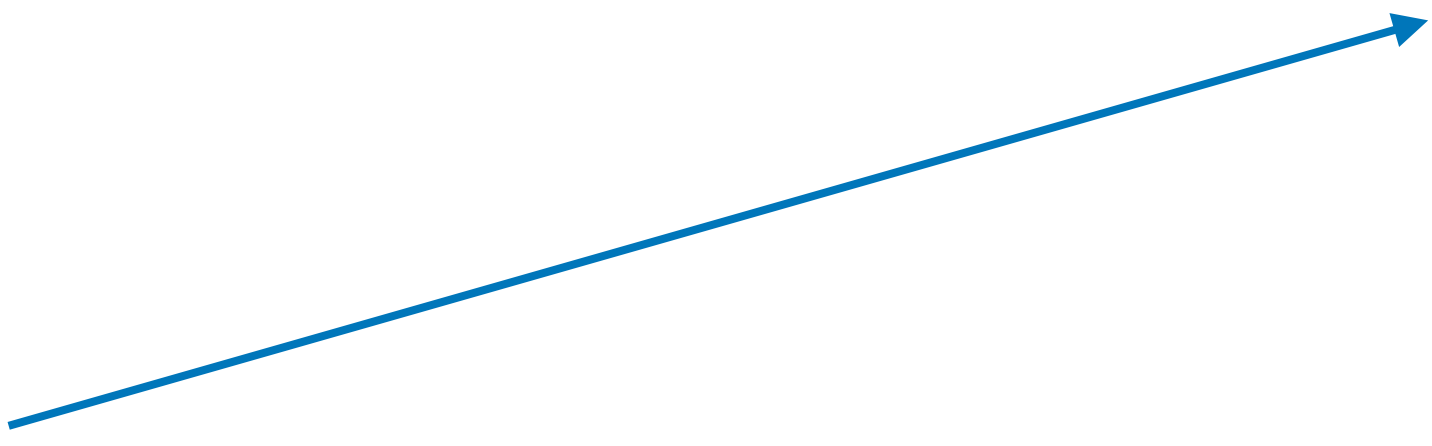
Number of
channels b

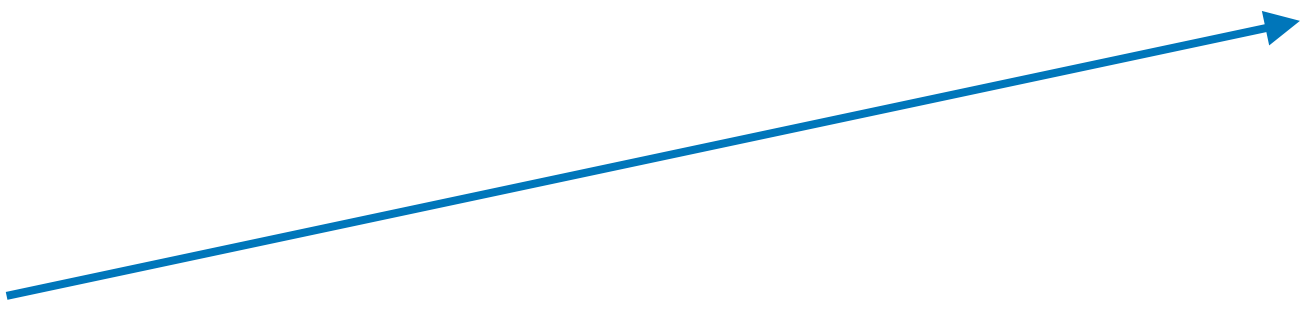


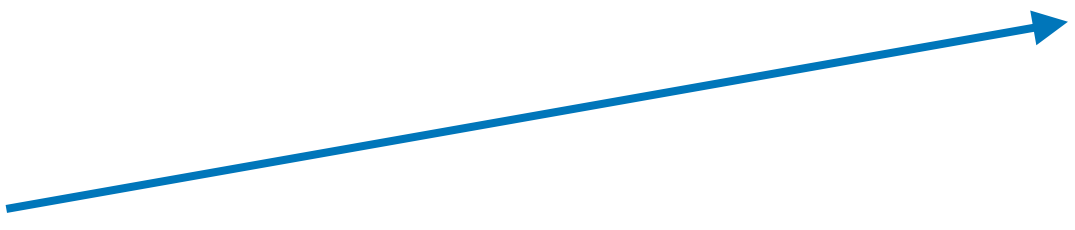
Number of latent
dimensions d









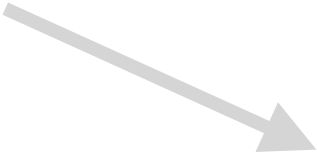












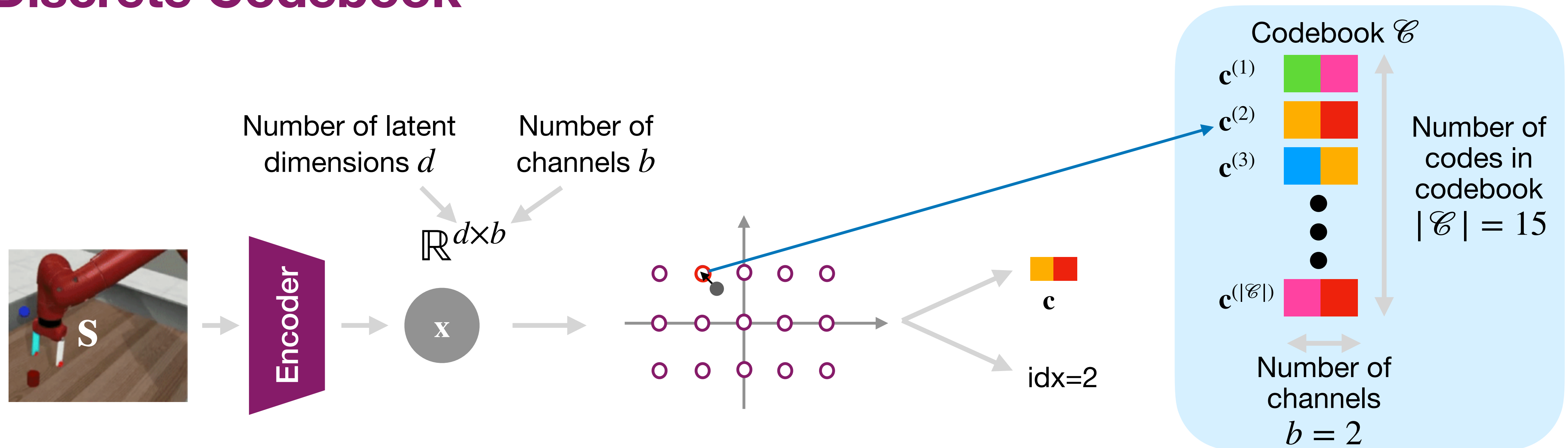
ix = 2



Discrete Codebook

DCWM: Discrete Codebook World Model

Discrete Codebook



DCWM: World Model Training