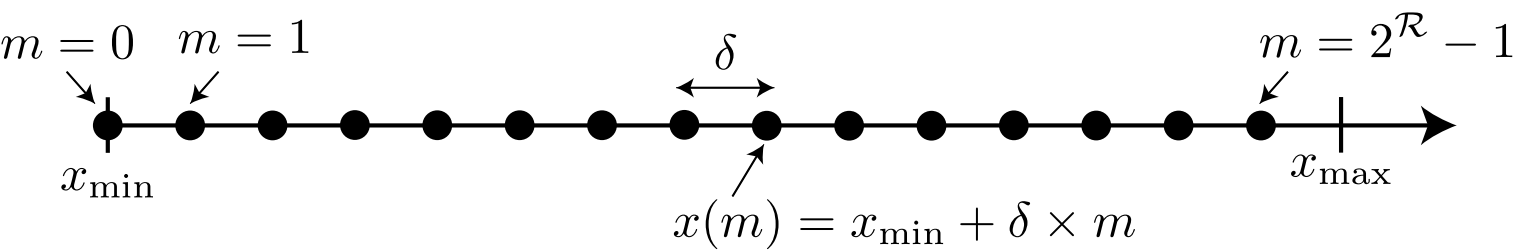
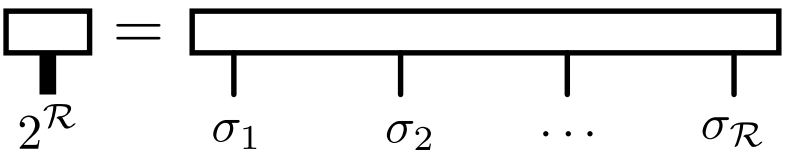


$$f(x(m)) =$$



$$m = \sum_{r=1}^{\mathcal{R}} \sigma_r 2^{\mathcal{R}-r} = (\sigma_1 \cdots \sigma_{\mathcal{R}})_2$$