$$G^{3\times4} = I^{3\times4})\tag{1a}$$

$$I^{3\times4} = Y^{3\times4})\tag{1b}$$

$$Y^{3\times4} = B^{3\times4}, a^{3\times4})\tag{1c}$$

$$B^{3\times4} = a^{3\times4})\tag{1d}$$

$$j^{3\times4} = O^{3\times4}, a^{3\times4})\tag{1e}$$

$$O^{3\times4} = q^{3\times4}, v^{3\times4}, a^{3\times4})\tag{1f}$$

$$a^{3\times4} = o^{3\times4}, p^{3\times4})\tag{1g}$$

$$o^{3\times4} = Q^{3\times4}, K^{3\times4}, V^{3\times4})\tag{1h}$$

$$Q^{3\times4} = p^{3\times4})\tag{1i}$$

$$K^{3\times4} = p^{3\times4})\tag{1j}$$

$$V^{3\times4} = p^{3\times4})\tag{1k}$$

$$p^{3\times4} = R^{3\times4})\tag{1l}$$

$$R^{3\times4} = i^{3\times4})\tag{1m}$$

$$q^{3\times4} =)\tag{1n}$$
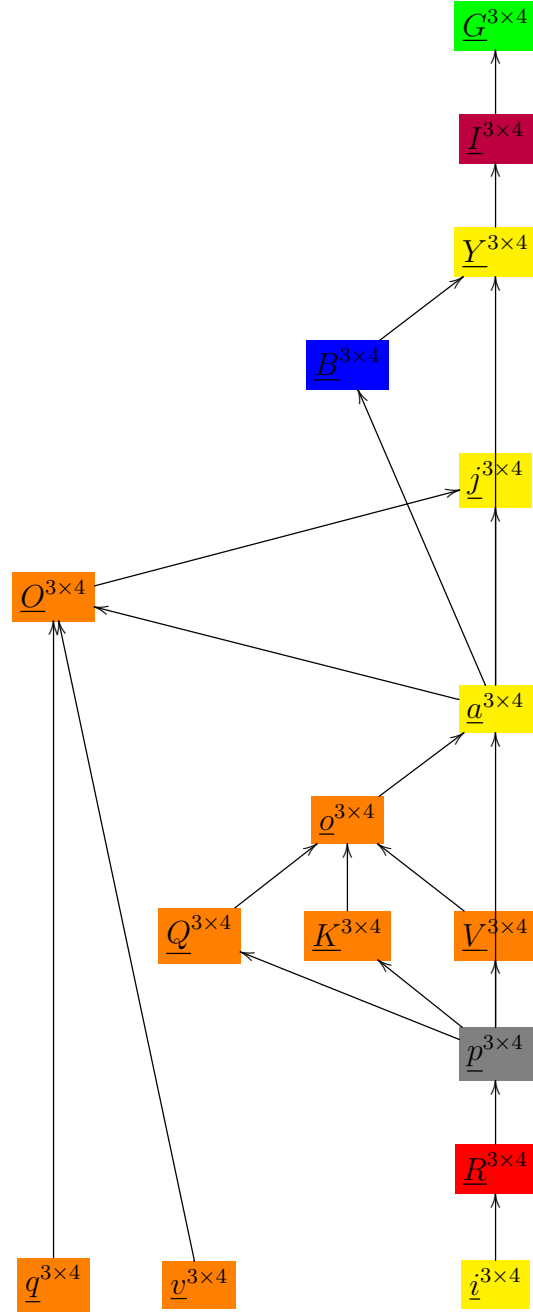
$$v^{3\times4} =)\tag{1o}$$

$$i^{3\times4} =)\tag{1p}$$

Figure 1: Decoder.