Mixing layer
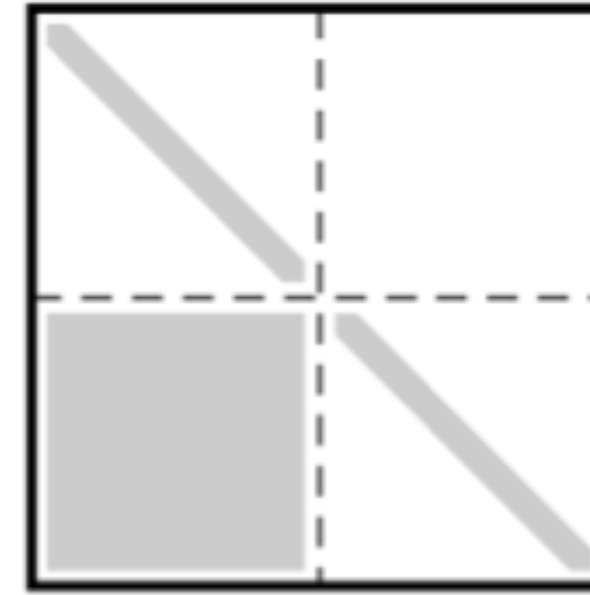
We need all areas of vector to "talk to each other"

$$
\begin{bmatrix}
\mathbb{I} & 0 \\
\dfrac{\partial z_2}{\partial x_1} & diag(\exp[s(x_1)])
\end{bmatrix}
$$

27   Dinh, Laurent, Jascha Sohl-Dickstein, and Samy Bengio. "Density estimation using real nvp." *arXiv preprint arXiv:1605.08803* (2016).
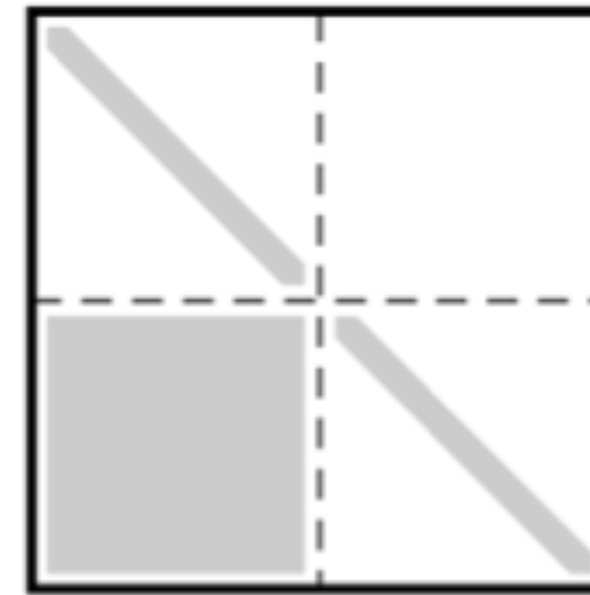
Mixing layer

We need all areas of vector to "talk to each other"

$$\begin{bmatrix} \mathbb{I} & 0 \\ \dfrac{\partial z_2}{\partial x_1} & diag(\exp[s(x_1)]) \end{bmatrix}$$

Naively, we can flip coupling layers:

Dinh, Laurent, Jascha Sohl-Dickstein, and Samy Bengio. "Density estimation using real nvp." *arXiv preprint arXiv:1605.08803* (2016).