

$$\mathbb{R}^n \times \mathbb{R}$$

$$\begin{array}{c} \mathbb{R}^n \times \mathbb{R} \\ \downarrow \pi \\ \mathbb{R} \end{array} \quad \begin{array}{c} \nearrow s \end{array}$$

$$\rightsquigarrow$$

$$\Omega^\bullet(\mathbb{R}^n \times \mathbb{R})$$

$$\begin{array}{c} \Omega^\bullet(\mathbb{R}^n \times \mathbb{R}) \\ \uparrow \pi^* \\ \Omega^\bullet(\mathbb{R}^n) \end{array} \quad \begin{array}{c} \searrow s^* \end{array}$$