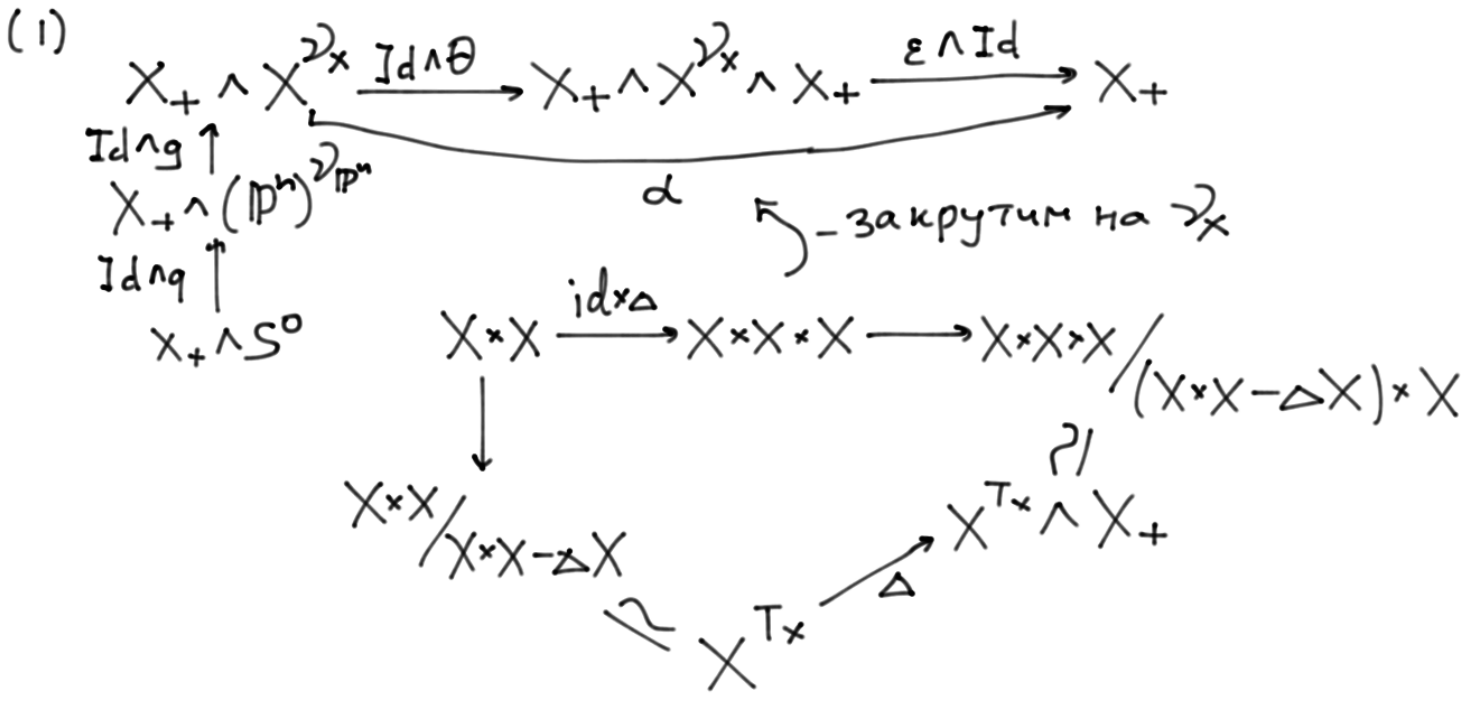
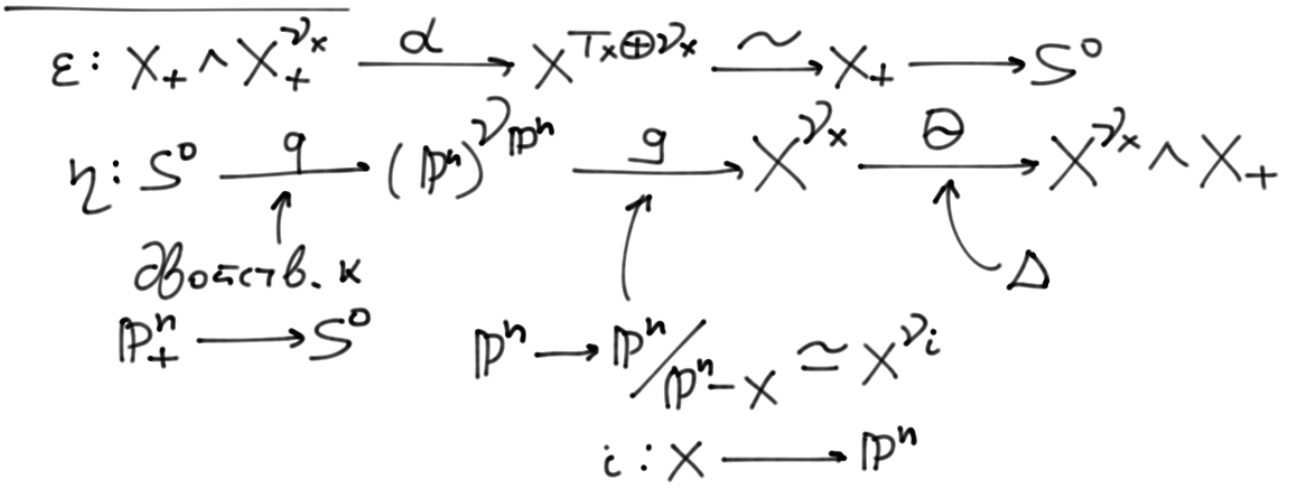


**Теорема**  $\exists \eta: S^0 \rightarrow X_+^{\mathbb{Z}_2} \wedge X_+, \varepsilon: X_+ \wedge X_+^{\mathbb{Z}_2} \rightarrow S^0$

т.ч. ①  $X_+ \xrightarrow{\text{Id} \wedge \eta} X_+ \wedge X_+^{\mathbb{Z}_2} \wedge X_+ \xrightarrow{\varepsilon \wedge \text{Id}} X_+$   
 ②  $X_+^{\mathbb{Z}_2} \xrightarrow{\eta \wedge \text{Id}} X_+^{\mathbb{Z}_2} \wedge X_+ \wedge X_+^{\mathbb{Z}_2} \xrightarrow{\text{Id} \wedge \varepsilon} X_+^{\mathbb{Z}_2}$   
 - тождественны

$(\Rightarrow) \textcircled{3} X_+^{\mathbb{Z}_2} \xrightarrow{\cong} \mathbb{D}X := \underline{\text{Hom}}(X_+, S^0)$



$$\begin{array}{ccccc}
 X_+ & \xrightarrow{\text{Id} \wedge g} & X_+ \wedge X^{\mathcal{V}_X} & \xrightarrow{\alpha} & X_+ \\
 \parallel & & \uparrow \text{Id} \wedge g & & \parallel \\
 X_+ & \xrightarrow{\text{Id} \wedge g} & X_+ \wedge (\mathbb{P}^n)^{\mathcal{V}_{\mathbb{P}^n}} & \xrightarrow{\beta} & X_+
 \end{array}$$

$$X \times X \rightarrow X \times X / X \times X - \Delta X \cong X^{T_x}$$

$$X \times \mathbb{P}^n \rightarrow X \times \mathbb{P}^n / X \times \mathbb{P}^n - \Delta X \cong X^{T_x + \mathcal{V}_i}$$

$\xrightarrow{\beta}$