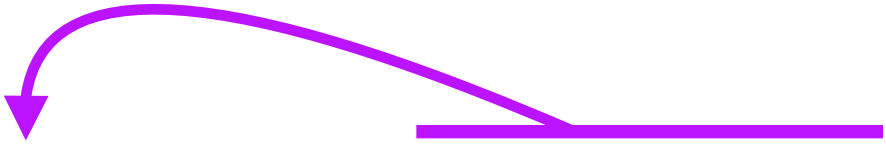




Example: Peano Arithmetic

35


$$sp_1(0) + sp_2(0)$$



$$= Sp_1(Sp_2(0))$$

$$= Sp_{1+p_2}(0)$$

# Example: Peano Arithmetic

$$\begin{aligned} & S^{p_1}(0) + \underline{S^{p_2}(0)} \\ = & S^{p_1}(S^{p_2}(0)) \\ = & S^{p_1+p_2}(0) \end{aligned}$$


# Example: Peano Arithmetic

$$S^{p_2}(0) + S^{p_1}(0)$$