

$$\mathbf{U}_{f \circ g} = \mathbf{U}_f$$

$$\mathbf{X}_{f \circ g} = \mathbf{X}_f \times \mathbf{X}_g$$

$$\text{start}_{f \circ g} = \langle \text{start}_f, \text{start}_g \rangle$$

$$\mathbf{Y}_{f \circ g} = \mathbf{Y}_g$$