

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

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

$$\text{start}_{f \circ g} = [\text{start}_f \circ \text{start}_g],$$

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