

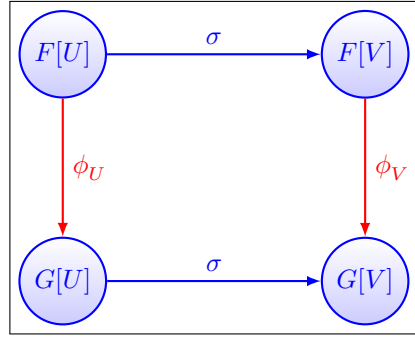
Isomorphism of Species

Definition

Let, F, G be two Combinatorial Species,

We say that,

$F \cong G \iff \forall U \in \Omega \exists \phi_U : F[U] \longrightarrow G[U] \ni \phi_U$ is a bijection which respects transport of structure.



Transfer of structure by ϕ_U

More formally speaking, $\forall F, G : \text{Combinatorial Species}, F \cong G \iff \forall \sigma : U \longrightarrow V \in \Gamma, \phi_V \circ F[\sigma] = G[\sigma] \circ \phi_U$

Example

$$Inv_0[U]$$