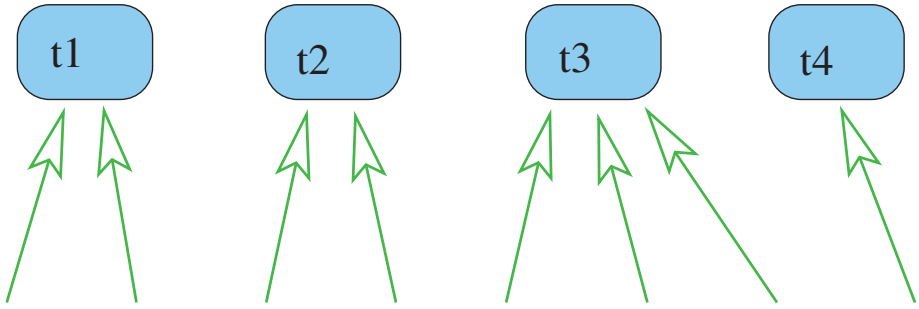
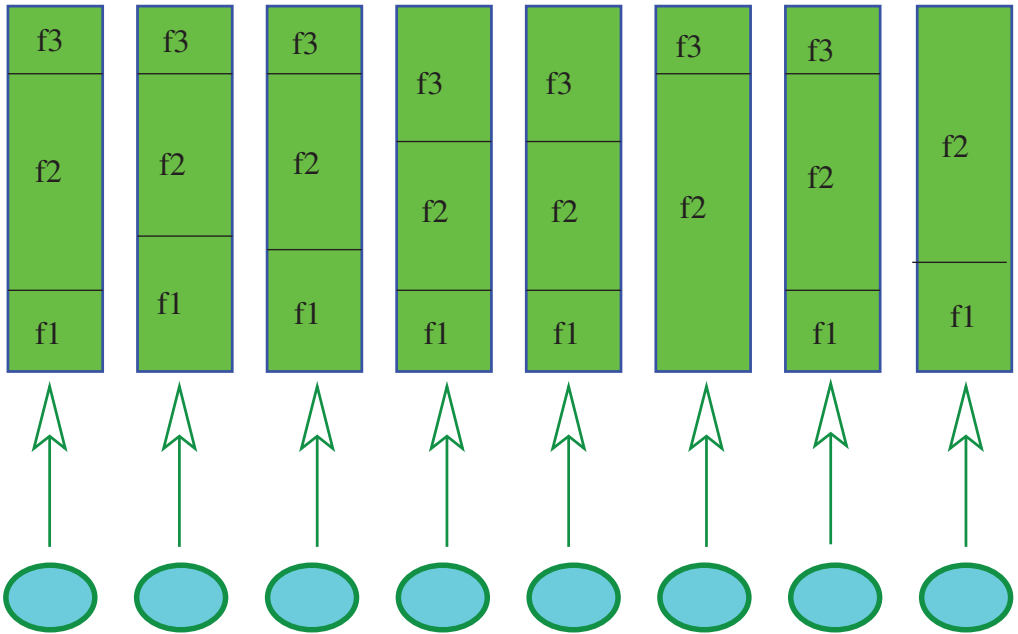


# Trait states

Sub-model 2



Sub-model 1



Contribution vectors

Objects

**f1, f2, f3 = three latent (causal) factors each with variable levels**

**Model 1: assignment of objects to contribution vectors  
segments of each vector reflect factor participations**

**Model 2: generation of an object's trait state from its contribution vector**