[latent, thick](s0)$_0$; [latent, right=of s0, thick](s1)$_1$;[latent, right=of s1, thick](s2)$_2$;[latent, right=of s2, thick](s3)$_3$;

[latent, below=of s0, thick](z0j)$_0 \leq entity$; [latent, below=of s1, thick](z1j)$_1 \leq entity$;[latent, below=of s2, thick](z2j)$_2 \leq entity$; [latent, below=of s3, thick](z3j)$_3 \leq entity$;

[obs, below=of z0j, thick](x0j)$_0 \leq entity$; [obs, below=of z1j, thick](x1j)$_1 \leq entity$;[obs, below=of z2j, thick](x2j)$_2 \leq entity$; [obs, below=of z3j, thick](x3j)$_3 \leq entity$;

deepcarrotorangergb0.91, 0.41, 0.17 darkspringgreenrgb0.09, 0.45, 0.27 hanbluergb0.27, 0.42, 0.81

scope[on background layer] [draw=deepcarrotorange!20,fill=deepcarrotorange!20, thick,fit=(s0) (s1) (s2) (s3)] ; [draw=darkspringgreen!20,fill=darkspringgreen!20, thick,fit=(z0j) (z1j) (z2j) (z3j)] ;