Parameters

	1	2	3	4
α	12	8	3	2

	1	2	3	4
β	10	3	5	6

Only for weight in the regression

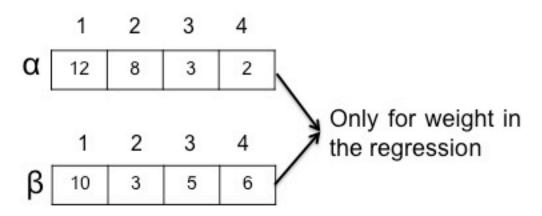# Function set

$$\dot{X}_1 = 12X_3^{g_{1,3}} - 10X_1^{h_{1,1}}$$

$$\dot{X}_2 = 8X_1^{g_{2,1}} - 3X_2^{h_{2,2}}$$

$$\dot{X}_3 = 3X_2^{g_{3,2}} - 5X_3^{h_{3,3}} X_4^{h_{3,4}}$$

$$\dot{X}_4 = 2X_1^{g_{4,1}} - 6X_4^{h_{4,4}}$$

G

	1	2	3	4
1			-0.8	
2	0.5			
3		0.75		
4	0.5			

H

	1	2	3	4
1	0.5			
2		0.75		
3			0.5	0.2
4				0.8

Interaction Matrices

Network Graph (Without Self-regulation)

$g_{1,3}$= -0.8

$g_{3,2}$= 0.75

$g_{2,1}$= 0.5

$g_{4,1}$= 0.5

$h_{3,4}$= 0.2