



		ctr	enz	r
X _	_C	0.1	0	0
	C	0	23	0
	A	0	0	41
	p	0	0	0

		ctr	enz	r
X _	_ C	0	0	0
	C	0	0	0
	A	0	0	0
	p	0	0	0

kcat

	ctr	enz	r
[1,]	7	7	6
[2,]	0	0	0

phi input

average saturation input

minimal phi constraint

minimal q constraint