All 2-Species, 2-Reaction Network	s networks	degree of I, rad I	dim of I, rad I	EDD wrt I, rad I	dim of sing, sing with rad I	shape of SSV	eqn of SS (xa=x, xb=y)	positive SS variety	EDD of PSSV
	A>0, B>A+B (Original R22)	1,1	1,1	1,1	-1,-1	line	eqn of SS (xa=x, xb=y) y= k1/k2 x	y=k1/k2 x	1 מחד
184	A>B, B>A (Original R23)	1,1	1,1	1,1	-1,-1	line	y= k1/k2 x	y=k1/k2 x	1
	2A>2B, 2B>A+B (Original R1)	2,2	1,1	2,2	0,0	X at origin	y^2=2 k1/k2 x^2	y=sqrt(2 k1/k2)x	1
	2A>2B, 2B>2A (Original R6) 2A>A+B, 2B>A+B (Original R7)	2,2	1,1	2,2	0,0	X at origin	y^2=k1/k2 x^2	y=sqrt(k1/k2)x	1
	A+B>2A, 2A>2B (Original R19)	2,2	1,1	2,2	0,0	X at origin rotated X at origin	y^2=k1/k2 x^2 x(k1 y-2 k2 x)=0	y=sqrt(k1/k2)x y=2 k2/k1 x	1
	A+B>2B, 2B>A+B (Original R20)	2,2	1,1	2,2	0,0	rotated X at origin	y(k1 x-k2 y)=0	y=k1/k2 x	1
	A+B>A, A>A+B (Original R25)	2,2	1,1	2,2	0,0	plus sign	x(k2-k1 y)=0	y=k2/k1	1
	B>2B, A+B>A	2,2	1,1	2,2	0,0	plus sign	y(k1 - k2*x) = 0	x = k1/k2	1
	A+B>2B, B>A (Original R21)	2,2	1,1	2,2	0,0	plus sign	y(k1 x-k2)=0	x=k2/k1	1
	2A>2B, B>A (Original R2) 2A>A, B>A+B (Original R3)	2,2	1,1	3,3	0,-1 0,-1	parabola parabola	y=2 k1/k2 x^2 y=k1/k2 x^2	y=2 k1/k2 x^2 y=k1/k2 x^2	3
	B>A, 2A>A+B (Original R4)	2,2	1,1	3,3	-1,-1	parabola	y=k2/k1 x^2	y=k2/k1 x^2	3
121	2B>0, A>A+B (Original R10)	2,2	1,1	3,3	-1,-1	sideways parabola	x=2 k1/k2 y^2	x=2 k1/k2 y^2	3
	A>2B, 2B>A (Original R11)	2,2	1,1	3,3	-1,-1	sideways parabola	x=k2/k1 y^2	x=k2/k1 y^2	3
	0>2B, A+B>A (Original R17)	2,2	1,1	4,4	-1,-1	hyperbola	xy=2 k1/k2	xy=2 k1/k2	4
	A+B>0, 0>A+B (Original R15) A+B>A, 0>B (Original R24)	2,2	1,1	4,4	-1,-1 -1,-1	hyperbola hyperbola	xy=k2/k1 xy=k2/k1	xy=k2/k1 xy=k2/k1	4
	2A>2B, 2B>0	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
4	2B>0, 2A>A	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2A> 0, 2B>A	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2A>2B, 2B>A	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2B>A, 2A>A+B 2A>A, 2B>A+B	4,1 4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty empty	0
	2A>0, 2B>0	4,1	0,0	0,1	0,-1 0,-1	origin origin	(x,y)=(0,0) (x,y)=(0,0)	empty	0
	2B>2A, 2A>A	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
83	2B>0, 2A>A+B	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2A>B, 2B>A	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2A>A, 2B>B	4,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2A>A, 2B>A 2A>2B, B>A+B	4,1 2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2A>2B, B>A+B B>0, 2A>0	2,1	0,0	0,1	0,-1	origin origin	(x,y)=(0,0) (x,y)=(0,0)	empty	0
	B>2A, 2A>0	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
15	2A>0, B>A	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>2B, 2A>2B	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>0, 2A>A	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>2B, 2A>A B>2B, 2A>A+B	2,1	0,0	0,1	0,-1	origin origin	(x,y)=(0,0) (x,y)=(0,0)	empty empty	0
	B>A, 2A>B	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>A, 2A>A	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>A+B , 2A>A+B	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>2A, 2A>A	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	2B>A, A>A+B A>0, 2B>A	2,1	0,0	0,1	0,-1 0,-1	origin	(x,y)=(0,0)	empty	0
	A>2B, 2B>A+B	2,1	0,0	0,1	0,-1	origin origin	(x,y)=(0,0) (x,y)=(0,0)	empty empty	0
	A>2A, 2B>A	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
176	A>0, 2B>A+B	2,1	0,0	0,1	0,-1	origin	(x,y)=(0,0)	empty	0
	B>2B, 2A>0	2,1	0,0	0,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	B>0, 2A>2B	2,1	0,0	0,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	B>2A, 2A>2B B>2B, A>0	2,1 1,1	0,0	0,1 1,1	-1,-1 -1,-1	origin origin	(x,y)=(0,0) (x,y)=(0,0)	empty	0
	B>A, A>A+B	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty empty	0
	A>2B, B>0	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	A>0, B>A	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	A>2B, B>A	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	A>2B, B>A+B A>0, B>0	1,1	0,0	1,1	-1,-1 -1,-1	origin	(x,y)=(0,0)	empty	0
	A>2A, B>2B	1,1	0,0	1,1	-1,-1	origin origin	(x,y)=(0,0) (x,y)=(0,0)	empty empty	0
	A>2B, B>2A	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty	0
181	A>2A, B>2A	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	A>2A, B>A	1,1	0,0	1,1	-1,-1	origin	(x,y)=(0,0)	empty	0
	A>A+B, B>A+B 2B>0, 2B>A	1,1	0,0	1,1 0,1	-1,-1 1,-1	origin x-axis	(x,y)=(0,0)	empty	0
	2B>A, 2B>A+B	2,1	1,1	0,1	1,-1	x-axis	y=0 y=0	empty	0
	2B>2A, 2B>A	2,1	1,1	0,1	1,-1	x-axis	y=0	empty	0
	2B>A, B>A+B	1,1	1,1	1,1	0,-1	x-axis	y=0	empty	0
	2B>2A, A+B>A	1,1	1,1	1,1	0,-1	x-axis	y = 0	empty	0
	A+B>2B, 2B>0 A+B>0, 2B>A	1,1	1,1	1,1	0,-1	x-axis	y = 0	empty	0
	A+B>0, 2B>A A+B>2B, 2B>A	1,1	1,1	1,1	0,-1	x-axis x-axis	y = 0 y = 0	empty empty	0
	A+B>A, 2B>A+B	1,1	1,1	1,1	0,-1	x-axis	y = 0	empty	0
186	A+B>2A, 2B>A	1,1	1,1	1,1	0,-1	x-axis	y=0	empty	0
	2B>0, B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>2A, 2B>0	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>0, 2B>2A B>2A, 2B>2A	1,1	1,1	1,1	-1,-1 -1,-1	x-axis x-axis	y=0 y=0	empty empty	0
	B>2B, 2B>2A	1,1	1,1	1,1	-1,-1	x-axis	y=0 y=0	empty	0
	B>0, 2B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>2B, 2B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>2B, 2B>A+B	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>A, 2B>B B>A, 2B>A	1,1	1,1	1,1	-1,-1 -1,-1	x-axis x-axis	y=0 y=0	empty	0
	B>A+B, 2B>A+B	1,1	1,1	1,1	-1,-1	x-axis	y=0 y=0	empty empty	0
	B>0, B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
74	B>2B, B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>2B, B>A+B	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
	B>2A, B>0 B>2B, B>2A	1,1	1,1	1,1	-1,-1	x-axis	y=0 v=0	empty	0
	B>2B, B>2A B>A, B>A+B	1,1	1,1	1,1	-1,-1 -1,-1	x-axis x-axis	y=0 y=0	empty	0
	B>A, B>A+B	1,1	1,1	1,1	-1,-1	x-axis	y=0 y=0	empty empty	0
	B>2A, B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	0
124	B>2A, A+B>A	1,1	1,1	1,1	-1,-1	x-axis	y = 0	empty	0
151	A+B>0, B>A	1,1	1,1	1,1	-1,-1	x-axis	y = 0	empty	0
	A+B>2B, B>A+B	1,1	1,1	1,1	-1,-1	x-axis	y=0 y=0	empty	0
		1.1	1.1						a 0
163	A+B>0, B>0	1,1	1,1	1,1	-1,-1 -1 -1	x-axis		empty	
163 164		1,1 1,1 1,1	1,1 1,1 1,1	1,1 1,1 1,1	-1,-1 -1,-1 -1,-1	x-axis x-axis x-axis	y=0 y=0	empty empty	0

All 2-Species, 2-Reaction Network Number of Reaction Network	networks	degree of I, rad I	dim of I, rad I	EDD wrt I, rad I	dim of sing, sing with rad I	shape of SSV	eqn of SS (xa=x, xb=y)	positive SS variety	EDD of PSSV
	A+B>2A, B>2A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	EDD OF PSSV
	A+B>2A, B>2B	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	
169	A+B>2B, B>0	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	(
170	A+B>2B, B>2A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	(
	A+B>2B, B>2B	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	(
	A+B>B, B>A	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	(
	A+B>A, B>A+B	1,1	1,1	1,1	-1,-1	x-axis	y=0	empty	(
	A+B>A, B>A 2A>2B, 2A>0	1,1 2,1	1,1	1,1 0,1	-1,-1 1,-1	x-axis	y=0 x=0	empty	(
	2A>2B, 2A>A	2,1	1,1	0,1	1,-1	y-axis y-axis	x=0	empty empty	
	2A>2B, 2A>A+B	2,1	1,1	0,1	1,-1	y-axis	x=0	empty	
	2A>A, 2A>A+B	2,1	1,1	0,1	1,-1	y-axis	x=0	empty	
	2A>A, 2A>B	2,1	1,1	0,1	1,-1	y-axis	x=0	empty	
	2A>0, 2A>A+B	2,1	1,1	0,1	1,-1	y-axis	x=0	empty	
111	2A>2B, A+B>0	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
113	2A>0, A+B>A	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	2A>2B, A+B>A	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	A+B>0, 2A>0	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	A+B>2B, 2A>0	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	A+B>0, 2A>A A+B>2B, 2A>A	1,1 1,1	1,1	1,1	0,-1 0,-1	y-axis	x = 0 x = 0	empty	
	A+B>B, 2A>B	1,1	1,1	1,1	0,-1	y-axis y-axis	x = 0 x = 0	empty empty	
	A+B>A, 2A>B	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	A+B>A, 2A>A	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	A+B>A, 2A>A+B	1,1	1,1	1,1	0,-1	y-axis	x = 0	empty	
	A+B>2A, 2A>A	1,1	1,1	1,1	0,-1	y-axis y-axis	x=0	empty	
	A+B>0, 2A>A+B	1,1	1,1	1,1	0,-1	y-axis	x=0	empty	
	2A>2B, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x = 0	empty	
	2A>A, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x = 0	empty	
	2A>0, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x = 0	empty	
	A>2B, 2A>A	1,1	1,1	1,1	-1,-1	y-axis	x = 0	empty	
128	A>2B, 2A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x = 0	empty	
	A>0, 2A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A>2B, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A>0, A+B>A	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A>2B, A+B>A	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A+B>2B, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A>0, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A>2A, A+B>A	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A+B>0, A>A+B	1,1	1,1	1,1	-1,-1	y-axis	x=0	empty	
	A+B>2B, A+B>0	2,2	1,1	2,2	0,0	both axes	x=0, y=0	empty	
	A+B>0, A+B>A A+B>2B, A+B>A	2,2	1,1	2,2	0,0		x=0, y=0	empty	-
	A+B>2A, A+B>A	2,2 2,2	1,1	2,2	0,0	both axes	x=0, y=0	empty	
	A+B>2A, A+B>2B	2,2	1,1	2,2	0,0	both axes	x=0, y=0 x=0, y=0	empty	
	A+B>A, A+B>B	2,2	1,1	2,2	0,0	both axes	x=0, y=0	empty empty	
	0>A, B>A+B	1,1	1,1	1,1	-1,-1	line	y=-k1/k2	empty	
	0>2B, A>A+B	1,1	1,1	1,1	-1,-1	line	x=-2k1/k2	empty	
	B>2B, A>A+B (Original R9)	1,1	1,1	1,1	-1,-1	line	y= -k2/k1 x	empty	
	B>A, 2B>A+B (Original R5)	2,2	1,1	2,2	0,-1	horizontal parallel lines		empty	
	2B>2A, B>A (Original R8)	2,2	1,1	2,2	-1,-1	horizontal parallel lines		empty	
191	A+B>2A, B>A (Original R16)	2,2	1,1	2,2	0,0	plus sign	y(k1+k2 x)=0	empty	
115	2B>0, A+B>A (Original R18)	2,2	1,1	2,2	0,0	rotated X at origin	y(2 k1 y+k2 x)=0	empty	
119	B>0, A+B>A	2,2	1,1	2,2	0,0	rotated X at origin	y=0, x = -k1/k2	empty	
	A+B>2B, 2A>2B (Original R12)	2,2	1,1	2,2	0,0	rotated X at origin	x(k1 y+2 k2 x)=0	empty	
		2,2	1,1	2,2	0,0	rotated X at origin	x(k1 x+k2 y)=0	empty	
	A+B>B, 2A>A (Original R14)	2,2	1,1	2,2	0,0	rotated X at origin	x(k1 x+k2 y)=0	empty	
	0>2B, 2A>0					empty		empty	
	0>2A, 2A>2B					empty		empty	
	0>2B, 2A>2B 0>2B, 0>A					empty		empty	-
	2A>2B, 0>A					empty		empty	-
	0>2B, 2A>A					empty empty		empty empty	-
	2B>0. 0>A					empty		empty	
	0>2B, 2B>A					empty		empty	
	0>2B, 0>A+B					empty		empty	
	2A>2B, 0>A+B					empty		empty	
	0>2B, 2A>A+B					empty		empty	
38	0>2B, 2B>A+B					empty		empty	
	0>B, 2A>B					empty		empty	
	0>B, 2A>A					empty		empty	
	0>A, 2A>B					empty		empty	
	0>A, 0>A+B					empty		empty	
	2A>A, 0>A+B					empty		empty	
	0>A, 2A>A+B					empty		empty	
	2B>A, 0>A+B					empty		empty	-
	0>A, 2B>A+B 0>A+B, 2A>A+B					empty		empty	-
	0>A+B, 2A>A+B 0>2B, B>A					empty		empty	-
	0>2B, B>A 0>2B, B>A+B					empty		empty	
	0>2B, B>A+B B>0, 0>2A					empty empty		empty empty	-
	B>2A, 0>2A					empty		empty	
	B>2A, 0>2A B>2B, 0>2A					empty		empty	
	B>2A, 0>2B					empty		empty	
	B>0, 0>A					empty		empty	
	B>2B, 0>A					empty		empty	
	B>2B, 0>A+B					empty		empty	
	B>A, 0>B					empty		empty	
	B>A, 0>A					empty		empty	
	B>A, 0>A+B					empty		empty	
	B>A+B, 0>A+B					empty		empty	
	2B>2A, 0>A					empty		empty	
101	0>2A, 2B>A					empty		empty	
						empty		empty	
102	2A>0, 0>A+B								a .
102 103						empty			
102 103 104	2A>0, 0>A+B							empty empty	
102 103 104 105 106	2A>0, 0>A+B 0>2A, 0>2B					empty		empty	

networks	degree of I, rad I	dim of I, rad I	EDD wrt I, rad I	dim of sing, sing with rad I	shape of SSV	egn of SS (xa=x, xb=v)	positive SS variety	EDD of PSSV
3 0>A. A>A+B						-q.: -: (,),		
4 0>2B, A+B>0								
5 0>2A, A+B>A								
6 A>2B, 0>A								
7 A>2B, 0>A+B								
8 A+B->0. 0>A								
9 A+B>2B, 0>A					empty		empty	
0 A+B>2B, 0>A+B					empty		empty	
1 A+B>A, 0>A+B							empty	
6 A>0, 0>A+B					empty		empty	
7 A+B>2B, 0>2A					empty		empty	
8 A+B>2A, 0>2A					empty		empty	
9 A+B>2A, 0>A					empty		empty	
0 A+B>A, 0>A					empty		empty	
pssv color coding	ssv vs pssv color coding		classifications					
empty	same, nonempty		nonempty pssv	# networks	#with pssv=ssv	ssv when distinct		
point(s)	same, empty		line through origin		7	2 3 X at origin, 2 rotated X a	ıt origin	
slanted line	different, nonempty pssv		horizontal line		1	0 plus sign		
horizontal line	different, empty pssv				2	0 plus sign		
vertical line			parabola		5	5		
parabola			hyperbola		3	3		
hyperbola			total	1	8	10		
			ssv for empty pssv	# networks				
			ssv for empty pssv		4			
				4	4			
			origin	4				
			origin x-axis	4	4			
			origin x-axis y-axis	4 4 3	4			
			origin x-axis y-axis both axes	4 4 3 3	4 2 6			
			origin x-axis y-axis both axes line	3	4 2 6 3			
			origin x-axis y-axis both axes line horizontal parallel lines	4 4 3	4 22 6 3 2			
	3 0->A, A->A+B 4 0->2B, A+B->0 5 0->2A, A+B->A 6 A->2B, 0->A 7 A->2B, 0->A 8 A+B->0, 0->A 9 A+B->2B, 0->A 9 A+B->2B, 0->A 10 A+B->A, 0->A+B 11 A+B->A, 0->A+B 11 A+B->A, 0->A 12 A+B->A, 0->A 13 A+B->A, 0->A 14 A+B->A, 0->A 15 A+B->A, 0->A 16 A+B->A, 0->A 17 A+B->A, 0->A 18 A+B-A, 0->A 18 A+	3 0->A, A->A+B 4 0->2B, A+B->0 5 0->2A, A+B->0 6 A->2B, 0->A 6 A->2B, 0->A 7 A->2B, 0->A 8 A+B->0, 0->A 9 A+B->2B, 0->A 1 A+B->A, 0->A+B 6 A->0, 0->A+B 1 A+B->A, 0->A+B 6 A->0, 0->A+B 7 A-B->B, 0->A 1 A+B->A, 0->A+B 7 A-B->B, 0->A 8 A+B->B, 0->B 8 A+B->B, 0->B 8 A+B->B, 0->B 8 A+B->B 8 A-B->B 8 A-B-B 9 B 8 A-B-B 9 B 8 B 8 B 8 B 8 B 8 B 8 B 8 B 8 B 8 B 8	3 0->A, A->A+B 4 0->2B, A+B->0 5 0->A, A+B->A 6 A->2B, 0->A 7 A->2B, 0->A 8 A+B->0, 0->A 9 A+B->2B, 0->A 0 A+B->2B, 0->A 1 A+B->A	3 0->A, A->A+B 4 0->ZB, A+B->0 5 0->2A, A+B->0 6 A->ZB, 0->A 7 A->ZB, 0->A 7 A->ZB, 0->A 8 A+B->0, 0->A 9 A+B->ZB, 0->A 1 A+B->A 1 A+B->B	3 0->A, A->A+B 4 0->2B, A+B->0 5 0->A, A+B->A 6 A->2B, 0->A 7 A->2B, 0->A 8 A+B->0, 0->A 9 A+B->2B, 0->A 9 A+B->2B, 0->A 1 A+B->A 1 A+B->A, 0->A+B 1 A+B->B, 0->A 9 A+B->B, 0->A 1 A+B->A, 0->A+B 1 A+B->A, 0->A+B 1 A+B->A, 0->A 9 A+B->B, 0->C 1 A+B->A, 0->A 1 A+B->B, 0->A 1 A+B	3 0->A, A->A+B 4 0->2B, A+B->0 empty 6 A->B, O->A A->A+B 6 A->B, O->A empty 7 A->2B, O->A empty 9 A+B->B, O->A empty 9 A+B->B, O->A empty 9 A+B->B, O->A empty 9 A+B->B, O->A+B 9 A+B->B, O->B, O->B, Empty 9 A+B->B, O->B, Empty 9 Same, nonempty 9 Same, nonempty 9 Same, empty 1 Santed line different, empty pssv 1 Santed line different, empty pssv 1 Vertical line 1 Vertical line 1 Santabola 1 Santabola 3 Santabola	3 0->A, A->A+B 4 0->2B, A+B->0	3 0->A, A->A+B 4 0->2B, A+B->0 empty empty 5 0->A, A+B->A 6 A->2B, 0->A empty empty 6 A->B, O->A 7 A->2B, 0->A+B 8 4B->0, 0->A 8 4B->0, 0->A 9 4B->2B, 0->A 9 4B->2B, 0->A+B 9 4B->A+B->B, 0->A+B 9 4B->A+B->B, 0->A+B 9 4B->A+B->B, 0->A+B 9 4B->B, 0->B, 0-