

(a) zone creation

□ cell ■ zone cell

example zone definition
value > 1

1	1	1	1	1
1	3	2	1	1
1	6	1	1	1
1	1	1	4	1
1	1	1	1	1

zone
mask

	■	■		
	■			
			■	

(b) connectivity

■ zone cell in both steps

relationship prior
time step variations of
current time step

one-to-one

	■	■		

	■	■		

	■	■		

			■	
			■	
			■	

one-to-many

		■		
		■		

	■	■	■	
	■	■	■	

many-to-one

	■		■	
	■			

	■	■	■	

many-to-many

	■	■	■	
		■		
	■	■	■	

	■		■	
	■		■	

one-to-none

	■			
	■			

			■	
			■	
