

## (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

	■			

			■	
