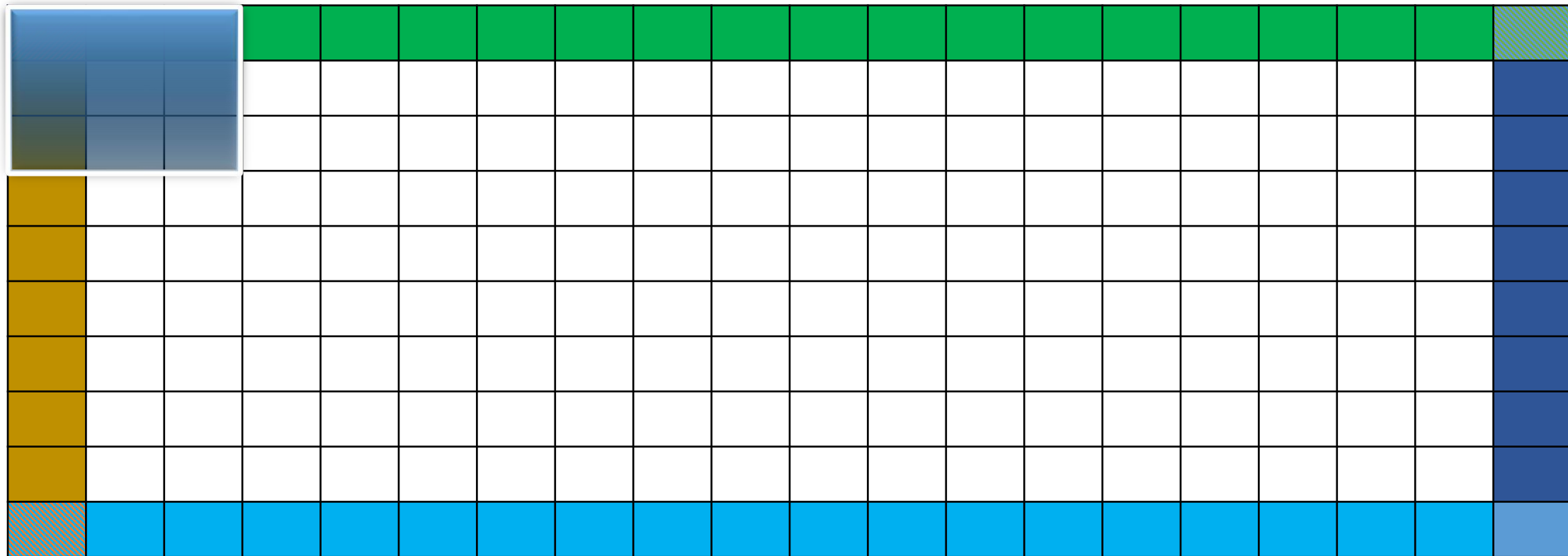


Άσκηση 2



$$\Theta_t(i,j) = 0.1 * \left(\Theta_{t-1}(i-1,j-1) + \Theta_{t-1}(i-1,j) + \Theta_{t-1}(i-1,j+1) + \Theta_{t-1}(i,j-1) + 2 * \Theta_{t-1}(i,j) + \Theta_{t-1}(i,j+1) + \Theta_{t-1}(i+1,j-1) + \Theta_{t-1}(i+1,j) + \Theta_{t-1}(i+1,j+1) \right).$$

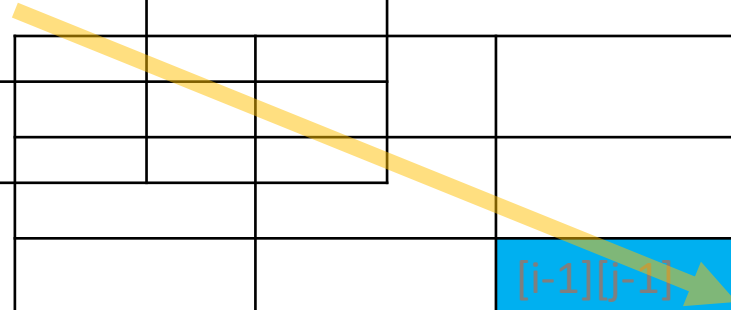
t-1

		$[i-1][j-1]$	$[i-1][j]$	$[i-1][j+1]$	
		$[i][j-1]$	$[i][j]$	$[i][j+1]$	
		$[i+1][j-1]$	$[i+1][j]$	$[i+1][j+1]$	

t

			$[i-1][j-1]$	$[i-1][j]$	$[i-1][j+1]$	
			$[i][j-1]$	$[i][j]$	$[i][j+1]$	
			$[i+1][j-1]$	$[i+1][j]$	$[i+1][j+1]$	

$$\Theta_t(i,j) = 0.1 * \left(\Theta_{t-1}(i-1,j-1) + \Theta_{t-1}(i-1,j) + \right. \\ \left. \Theta_{t-1}(i-1,j+1) + \Theta_{t-1}(i,j-1) + 2 * \Theta_{t-1}(i,j) + \right. \\ \left. \Theta_{t-1}(i,j+1) + \Theta_{t-1}(i+1,j-1) + \Theta_{t-1}(i+1,j) + \Theta_{t-1}(i+1,j+1) \right)$$



5	6	7	5	4						
8	9	10	5	4			9	8.2	6.2	
11	12	13	5	4						

t-1

t

t+1

