

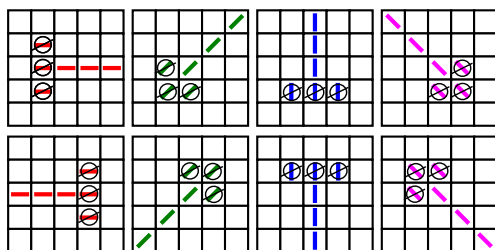
angle: 0 (horiz) 45 90 (vert) 135

**Hypercolumn**  
output  
organization

4	simple			
3	simple			
row: 2	es-right			
1	es-left			
0	len sum			

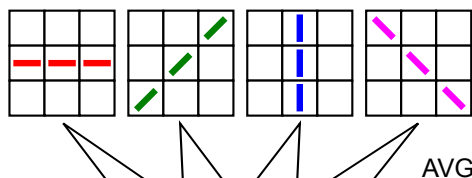
**V1 End Stop (V1es):**

inhibition from same  
orientation at one end



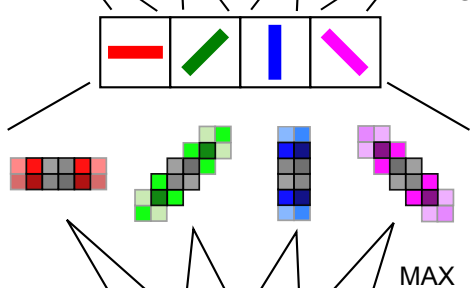
**V1 Length Sum (V1ls):**

average over elements



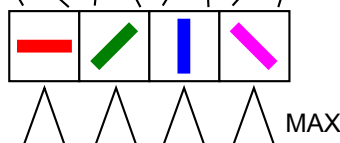
**V1 Square Group (V1sg):**

simple x2 dim reduction &  
spatial homogenization  
(grey = ctr of gabor)

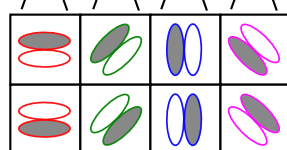


**V1 Polarity Invariant (V1pi):**

orientation only



**V1 Simple (V1s):** polarity &  
orientation



**FFFB Inhib**