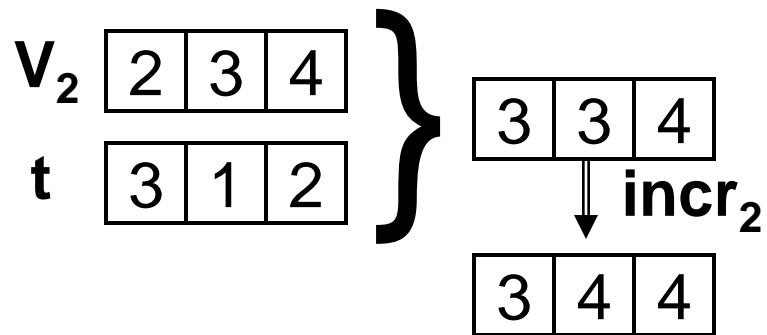


Rules for Vector Clocks

- VC1: $V_i[j]=0, j=1,2,\dots,N$ (notation: start with p_1)
- VC2: Before p_i timestamps event, $V_i[i]++$ (***incr_i***)
- VC3: p_i includes $t=V_i$ in each msg it sends
- VC4: When p_j receives msg with timestamp t ,
 $V_j = \text{incr}_j (\text{merge}(t, V_j))$

Message Receipt w/time t at p_2



Animated Example of VCs

