

[scale=1.5] [arr=0.7pt] (-1,-1) node[left] $i_v$  -- (-1,1) node[left] $b_v$ ; [arr=0.7pt] (0,-1) node[right] $j_v$  -- (0,-2) node[below]  
[arr=0.6pt,purple] (2,-2) -- (2,-1); [arr=0.6pt,yellow] (2,-1) -- (2,0); [arr=0.6pt,cyan] (2,0) -- (2,1); [arr=0.6pt,teal] (2,1) --