

(u1) [below left = 1cm and 1cm of v1] ; (u2) [below = 1cm of u1] ; (u3)
 [below = 1cm of u2] ; (u4) [below = 1cm of u3] ;
 (w1) [below right = 1cm and 1cm of v2] ; (w2) [below = 1cm of w1] ; (w3)
 [below = 1cm of w2] ; (w4) [below = 1cm of w3] ;
 [green!50!black, thick] (u1) - (w1); [red!50!black, thick] (u2) - (w2); [red!50!black,
 thick] (u3) - (w3); [green!50!black, thick] (u4) - (w4);
 [i-,thick] (v1) - ++(2,-1) node[midway,above] τ_1 ;
 [i-,thick] (v2) - ++(-2,-1) node[midway,above] τ_2 ;

