

HANDLEENDVERTEX( $v_i$ )

1.   **if**  $helper(e_{i-1})$  is a merge vertex
2.       **then** Insert the diagonal connecting  $v_i$  to  $helper(e_{i-1})$  in  $\mathcal{D}$ .
3.   Delete  $e_{i-1}$  from  $\mathcal{T}$ .