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**Algorithm 5** ComTector( $G$ )

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- 1: Read Graph  $G$
  - 2:  $Com(G) \leftarrow$  all components of  $G$
  - 3:  $M(C_G) \leftarrow$  all maximal cliques in  $C_G$
  - 4: FilterOutKernels( $C, f$ )
  - 5: DeDuplication( $K$ )
  - 6: AssignVertex( $K$ )
  - 7: AdjustDivision( $K$ )
  - 8: return  $K \cup (Com(G) - C_G)$
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