CMPS 101:

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- The component Graph of a directed graph G

  $G^{S\mathbb{CC}}$ is a new digraph with $V(G^{S\mathbb{CC}}) = \{S\mathbb{CC}_s \text{ of } G\}$

  If $C_i\,C_j \varepsilon V(G^{S\mathbb{CC}})$ there is an edge from C_i to C_j in $G^{S\mathbb{CC}}$ iff there exists an edge in G from some $x\varepsilon C_i$ to $y\varepsilon C_j$

- Note: $G^{S\mathbb{CC}}$ is necessarily a DAG: there is a topologial sort of these ″vertices″