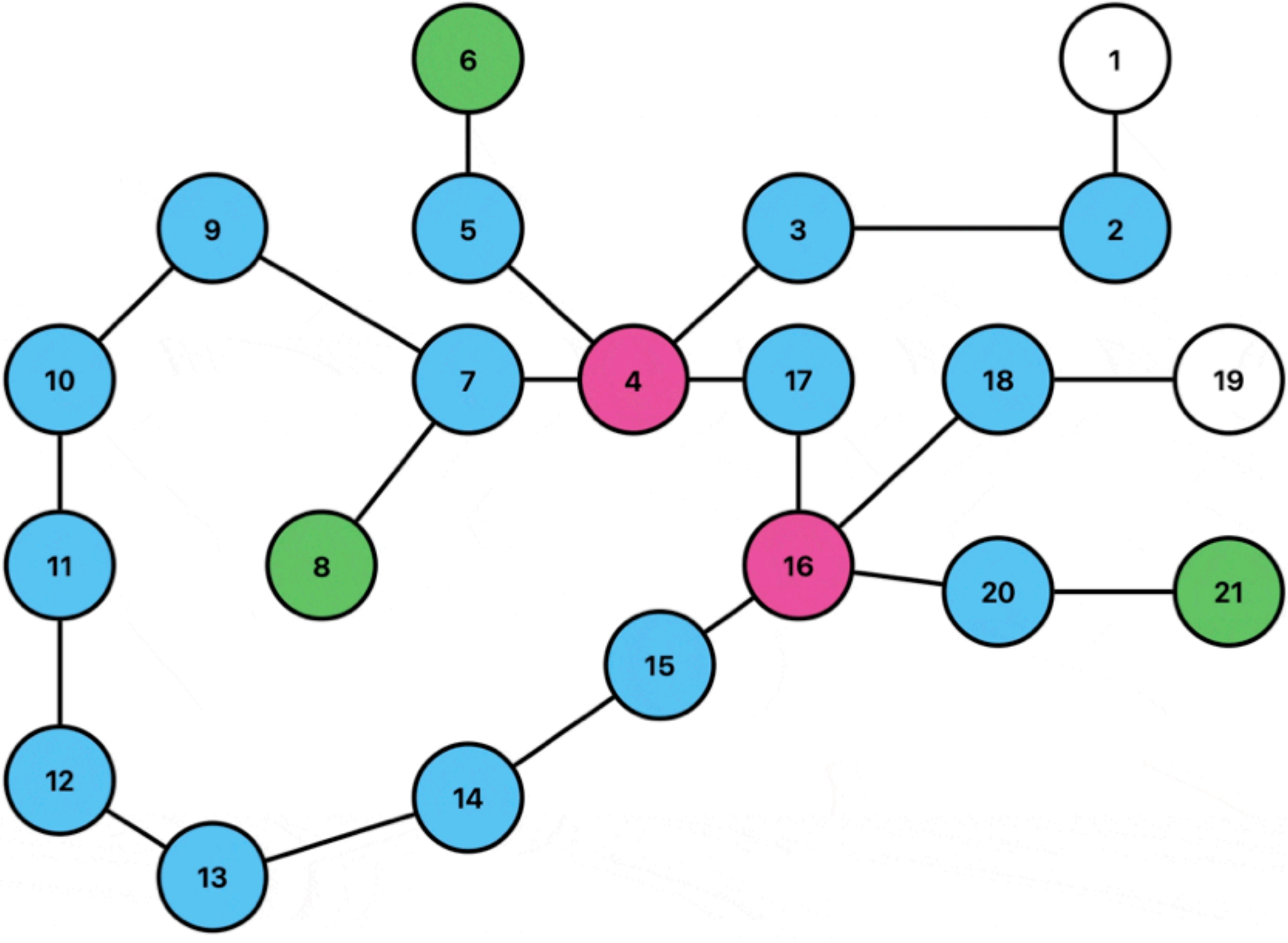
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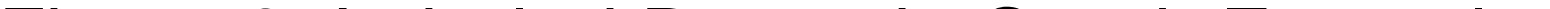
Figure 2: Labeled Dynamic Graph Example.

What are they?

- Static graphs are used to represent objects and relationships.

- Labeled graphs, are graphs that can be labeled by number, color etc.

- Dynamic graphs, are graphs that change over time and represent changing objects or relationships.

- Formally a dynamic graph is:

  - $G(t) = (V(t), E(t), \alpha_t)$ with $\alpha_t : V(t) \longrightarrow L$ where alpha is a map of vertices to labels

Dynamic Graphs

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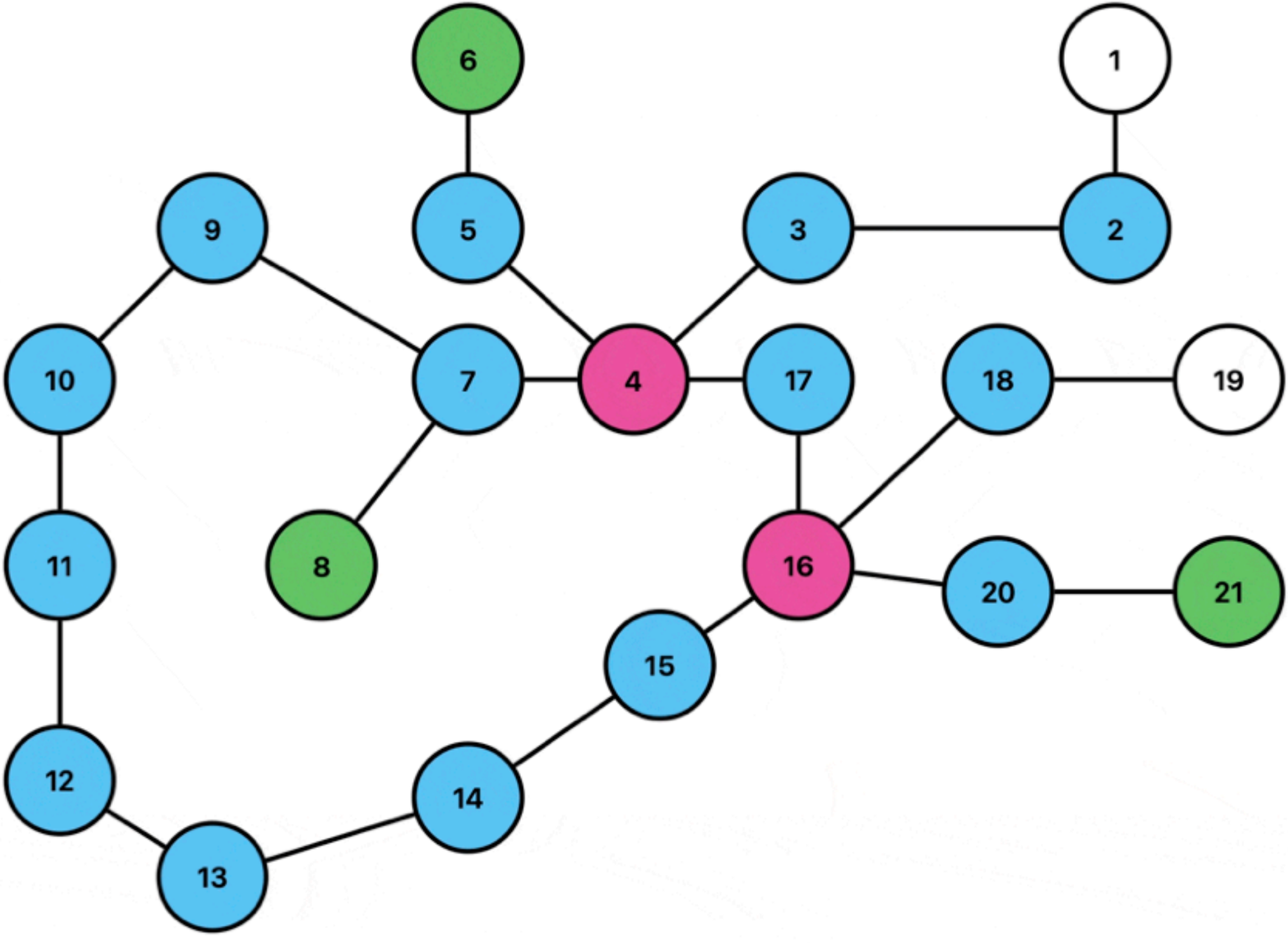
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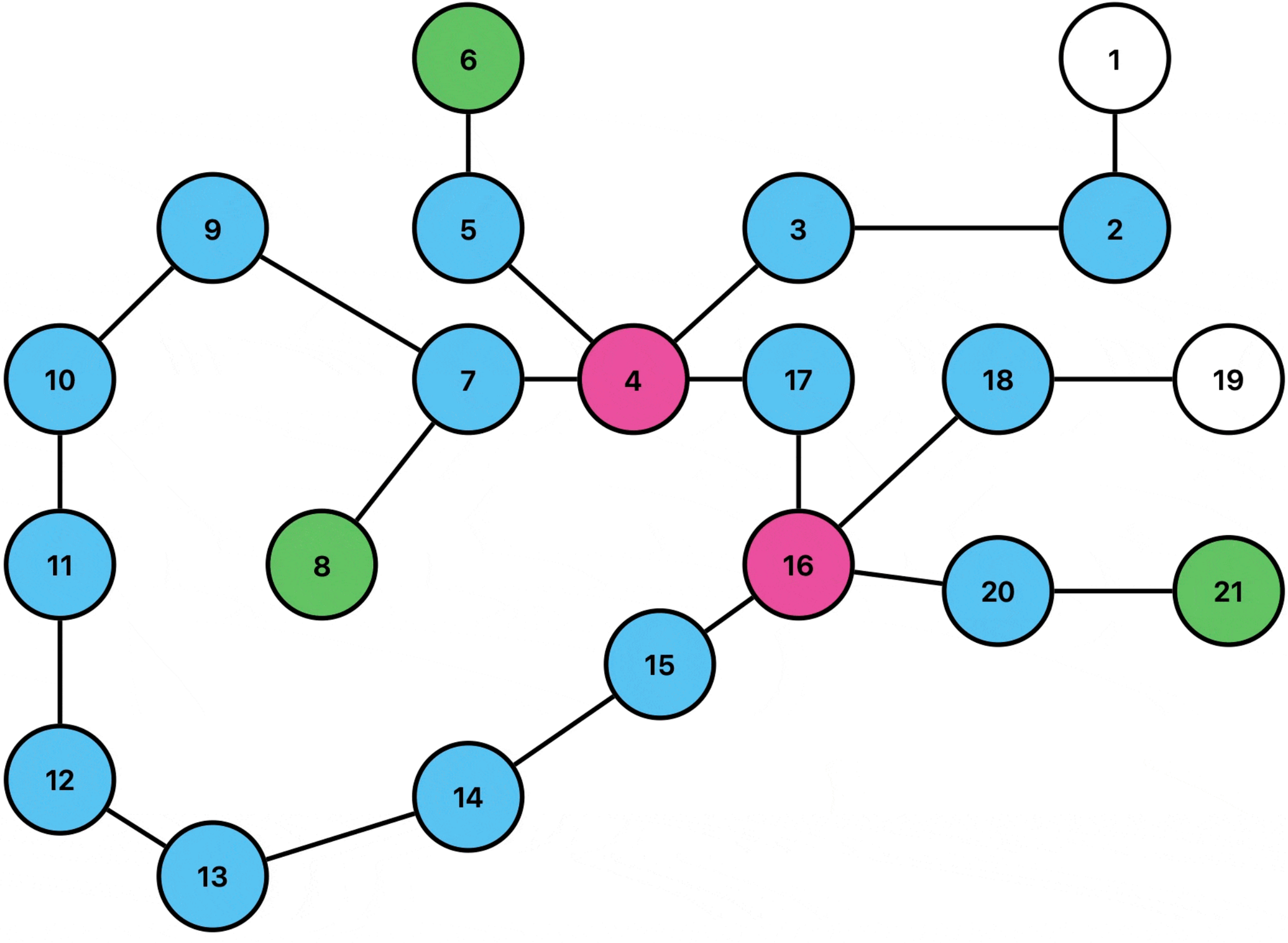
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Dynamic Graphs

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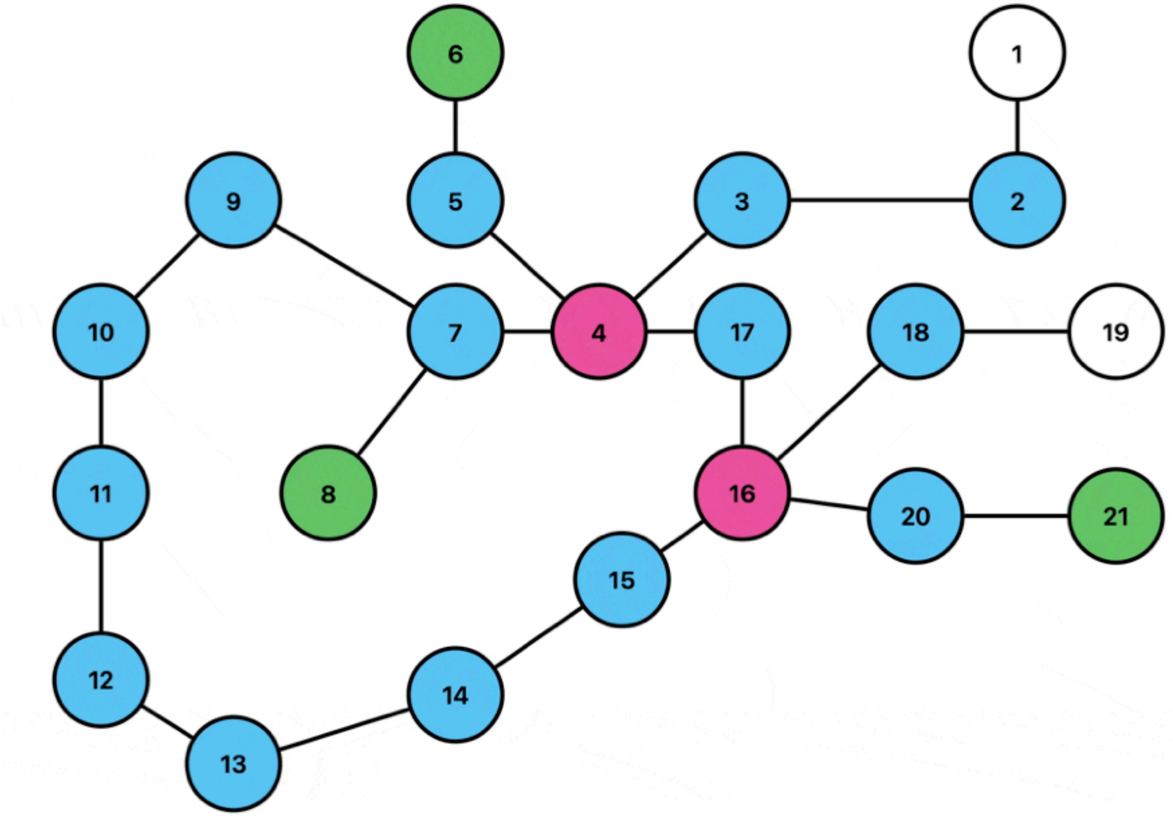

Figure 2: Labeled Dynamic Graph Example.

Graph Rewriting Systems and DGGs

What are they and how are they related?

1. (Rozen et al, 1997); 2. (Mjolsness, 2019)