

Well, the problem would be exactly that you wouldn't have any regard for the edges. Graphs are inherently about relationships between vertices and how those relationships can be used to an advantage or reflected in different situations, in a much less complex manner. For example, with the same graph, depth-first and breadth-first present two completely different ways of traversing a unique ordering of the data simply by the connections between the vertices, and is much more efficient and less of a headache than something array-based. It also retains the ordering of the vertices as is conveyed by the relationships implied by edges.