4. Greedy Algorithms I

- earliest-finish-time-first algorithm demo
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job B is compatible (add to schedule)
Earliest-finish-time-first algorithm demo
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job C is incompatible (do not add to schedule)
Earliest-finish-time-first algorithm demo
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job A is incompatible (do not add to schedule)
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job E is compatible (add to schedule)
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Earliest-finish-time-first algorithm demo

job D is incompatible (do not add to schedule)
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Earliest-finish-time-first algorithm demo

job F is incompatible (do not add to schedule)
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job G is incompatible (do not add to schedule)
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job G is incompatible (do not add to schedule)
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Diagram showing the Earliest-finish-time-first algorithm with tasks A, B, C, D, E, F, G, and H scheduled over time from 0 to 11.

- Task A finishes at time 6.
- Task B finishes at time 3.
- Task C finishes at time 5.
- Task D finishes at time 7.
- Task E finishes at time 7.
- Task F finishes at time 8.
- Task G finishes at time 10.
- Task H finishes at time 11.
Earliest-finish-time-first algorithm demo

job H is compatible (add to schedule)
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done (optimal set of jobs)