4. Greedy Algorithms

- earliest-finish-time-first algorithm demo
Earliest-finish-time-first algorithm demo
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job B is compatible (add to schedule)
Earliest-finish-time-first algorithm demo
Earliest-finish-time-first algorithm demo

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

Diagram showing the earliest-finish-time-first algorithm with tasks A, B, C, D, E, F, G, and H, arranged on a timeline from 0 to 11 units of time.
Earliest-finish-time-first algorithm demo

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

job E is compatible (add to schedule)
Earliest-finish-time-first algorithm demo
Earliest-finish-time-first algorithm demo

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

jobs are incompatible (do not add to schedule)
Earliest-finish-time-first algorithm demo
Earliest-finish-time-first algorithm demo

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

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

job H is compatible (add to schedule)
Earliest-finish-time-first algorithm demo

Time

0 1 2 3 4 5 6 7 8 9 10 11

B C
A
E D
F G
H

B E H
Earliest-finish-time-first algorithm demo

done (optimal set of jobs)