

## 4. GREEDY ALGORITHMS

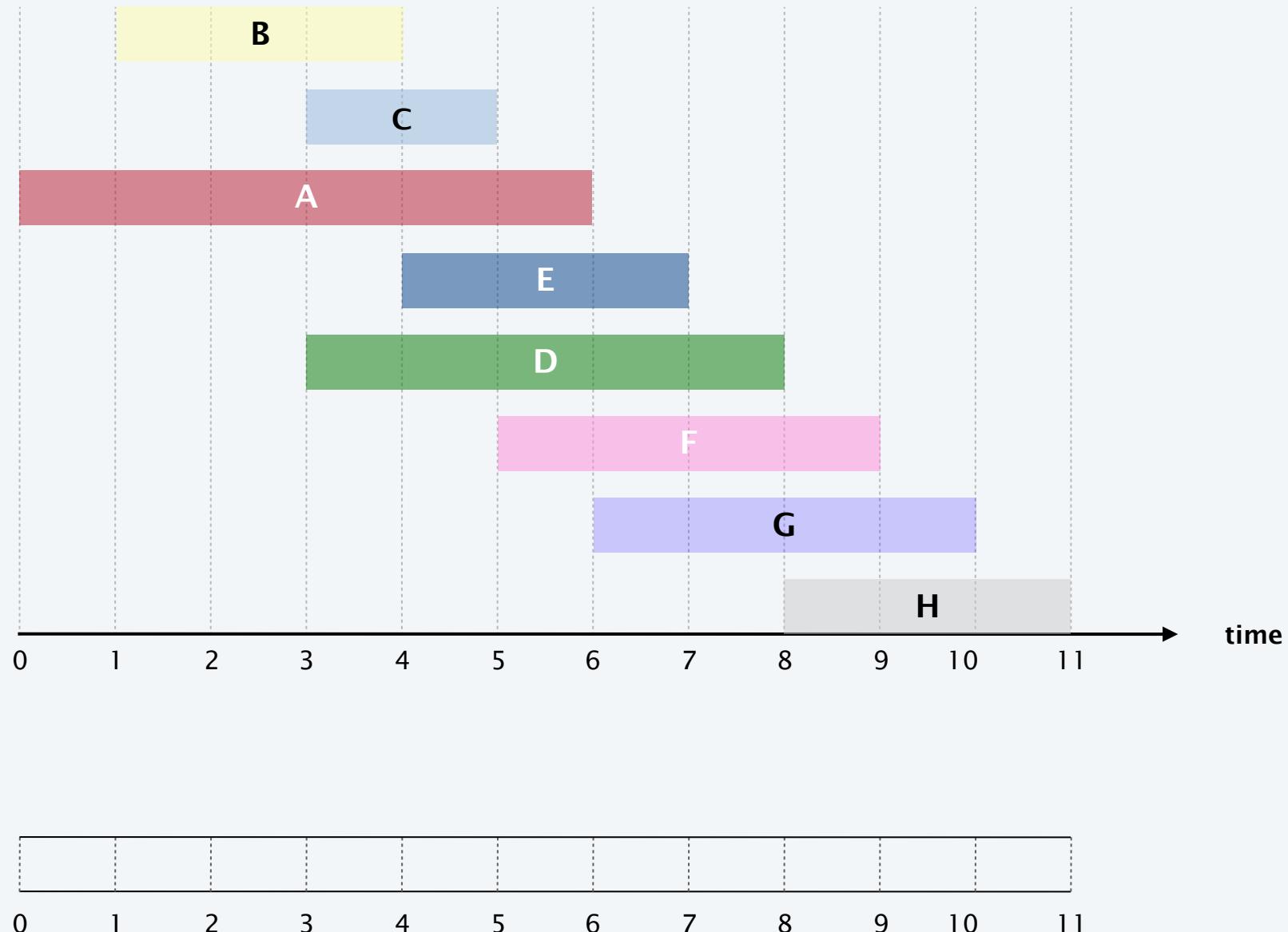
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- ▶ *earliest-finish-time-first algorithm demo*

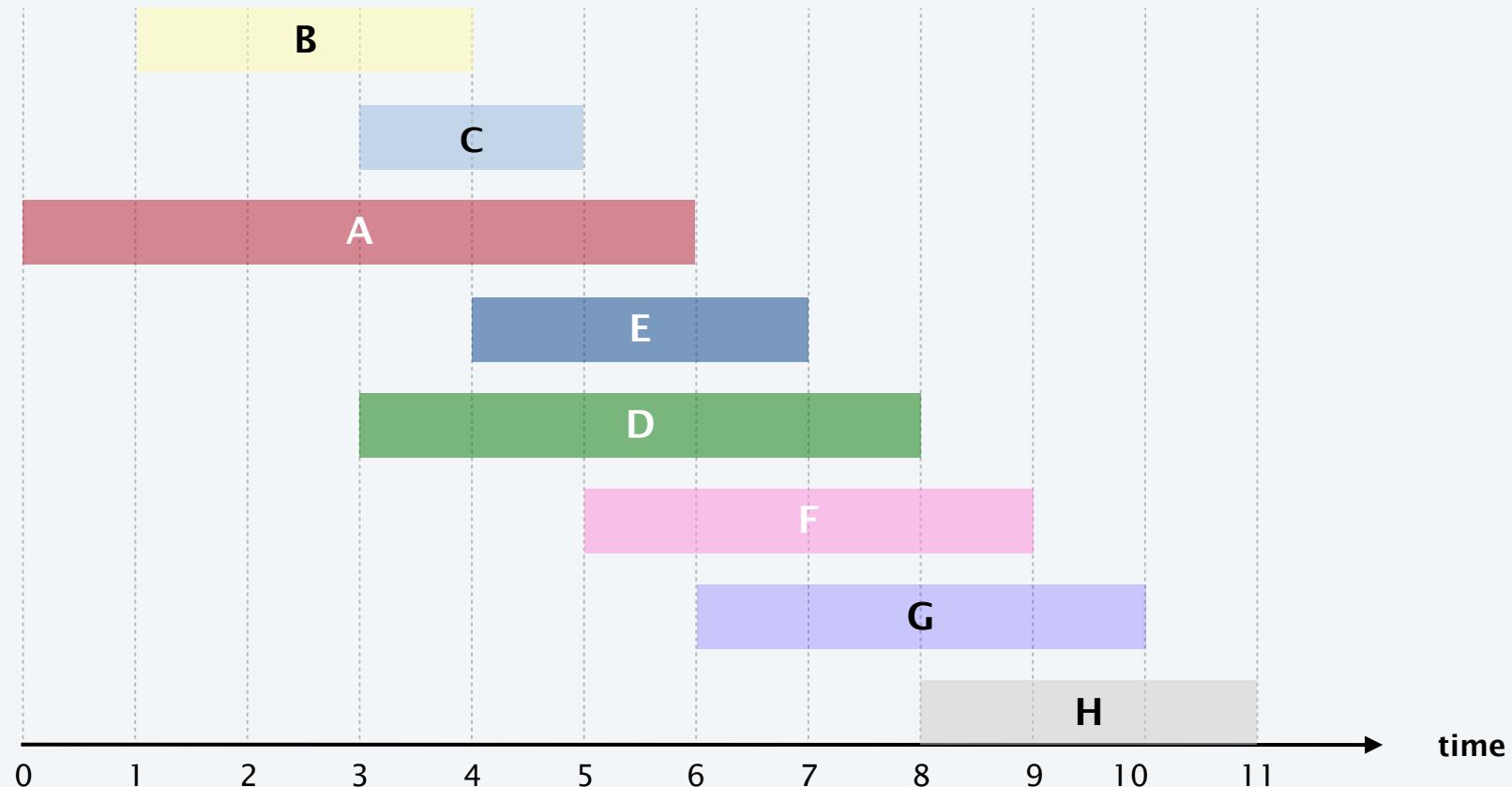
SECTION 2.1

# Earliest-finish-time-first algorithm demo

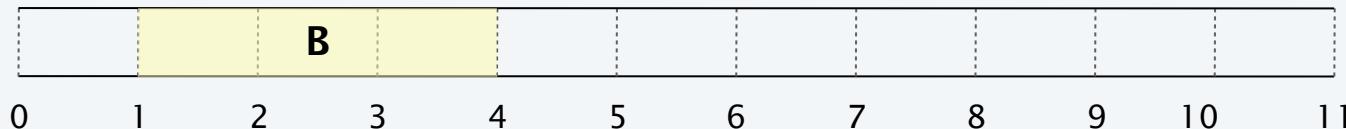
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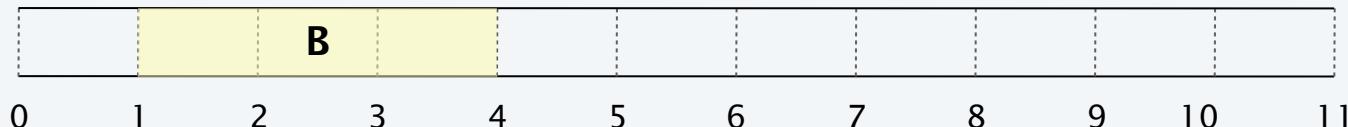
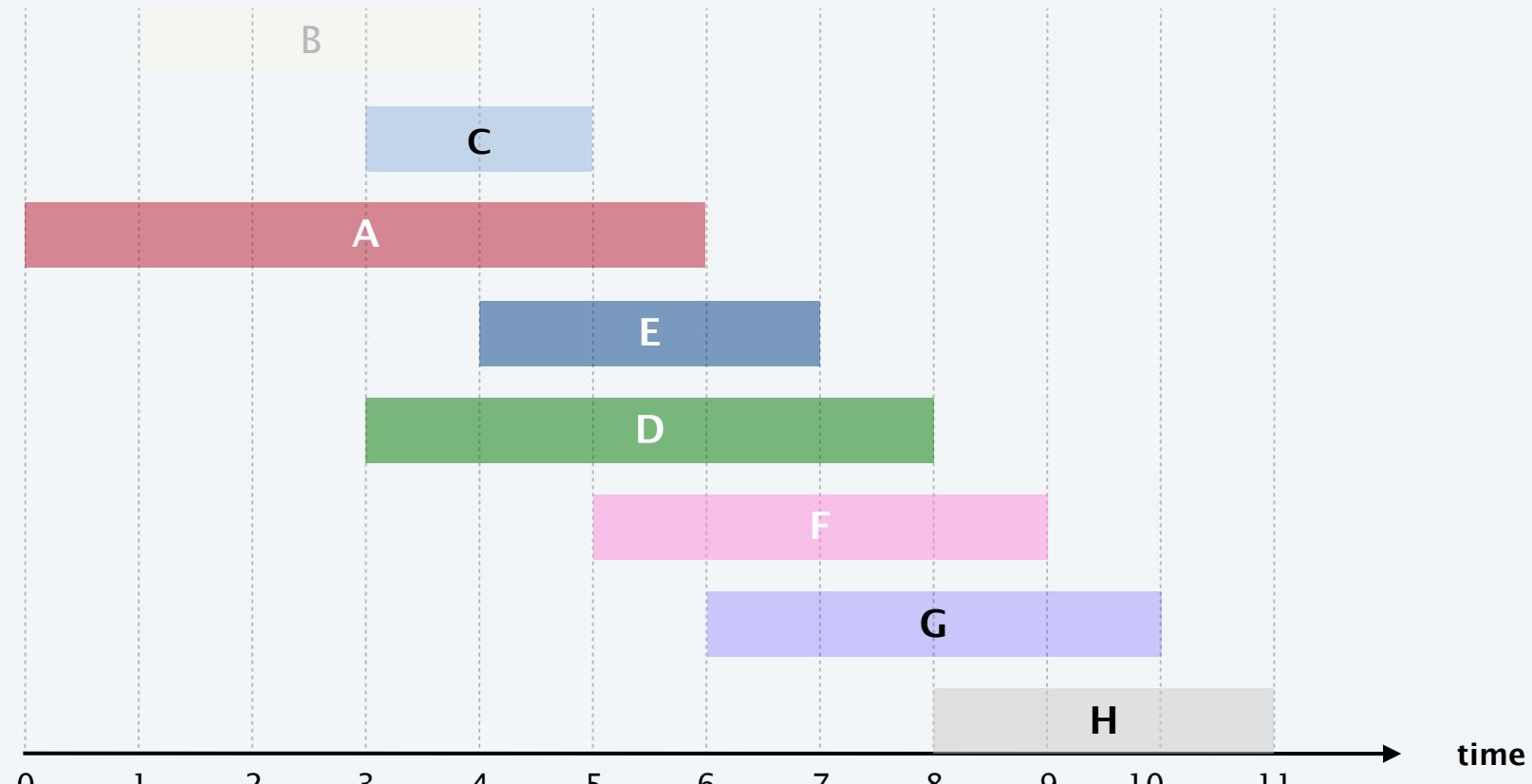
# Earliest-finish-time-first algorithm demo



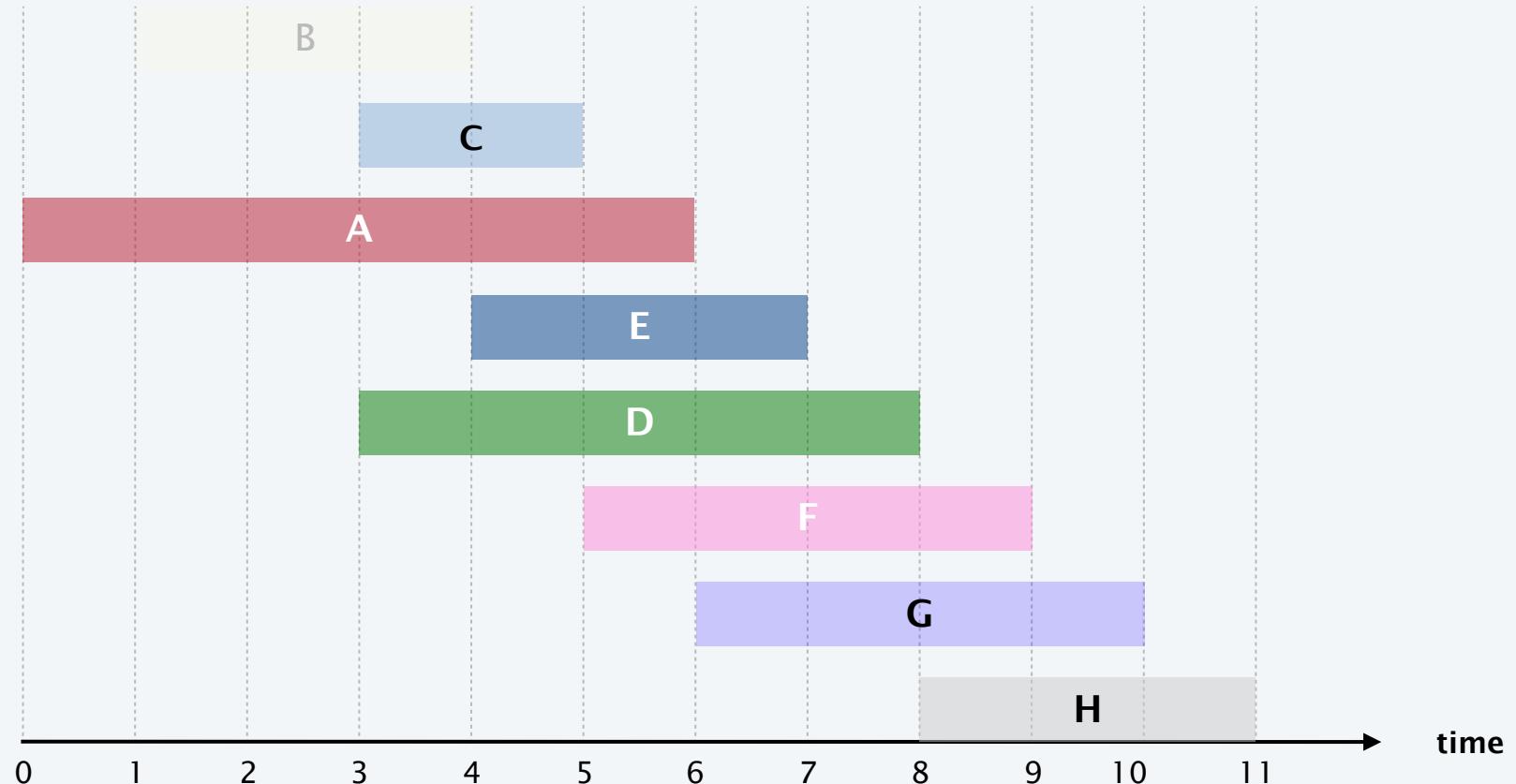
job B is compatible (add to schedule)



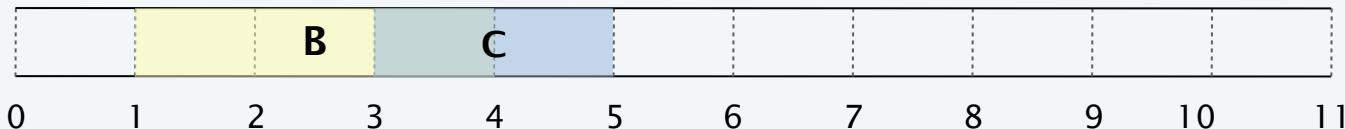
# Earliest-finish-time-first algorithm demo



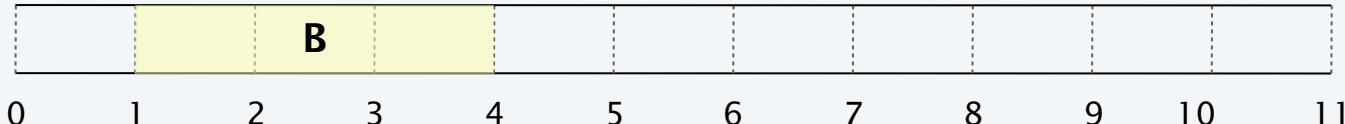
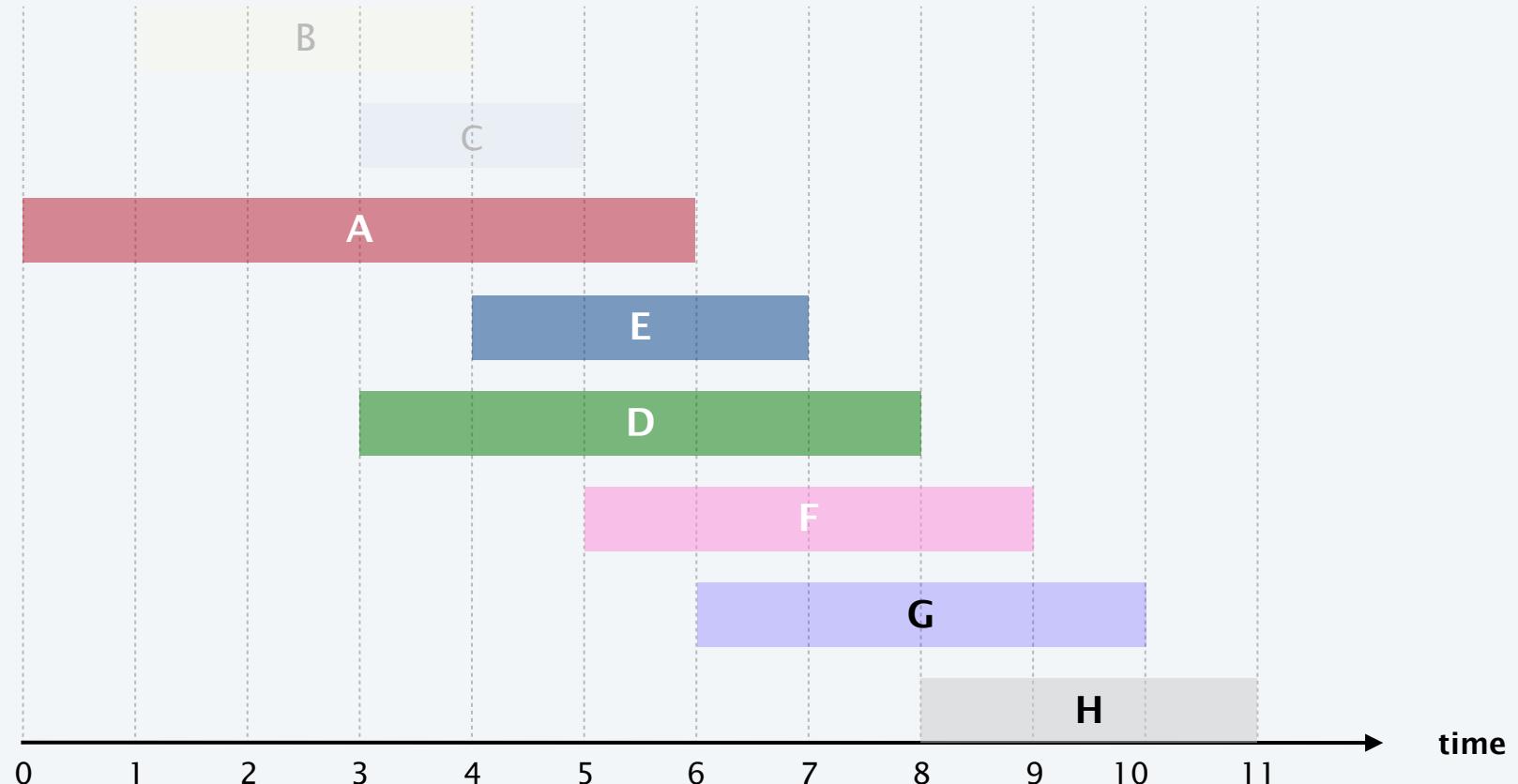
# Earliest-finish-time-first algorithm demo



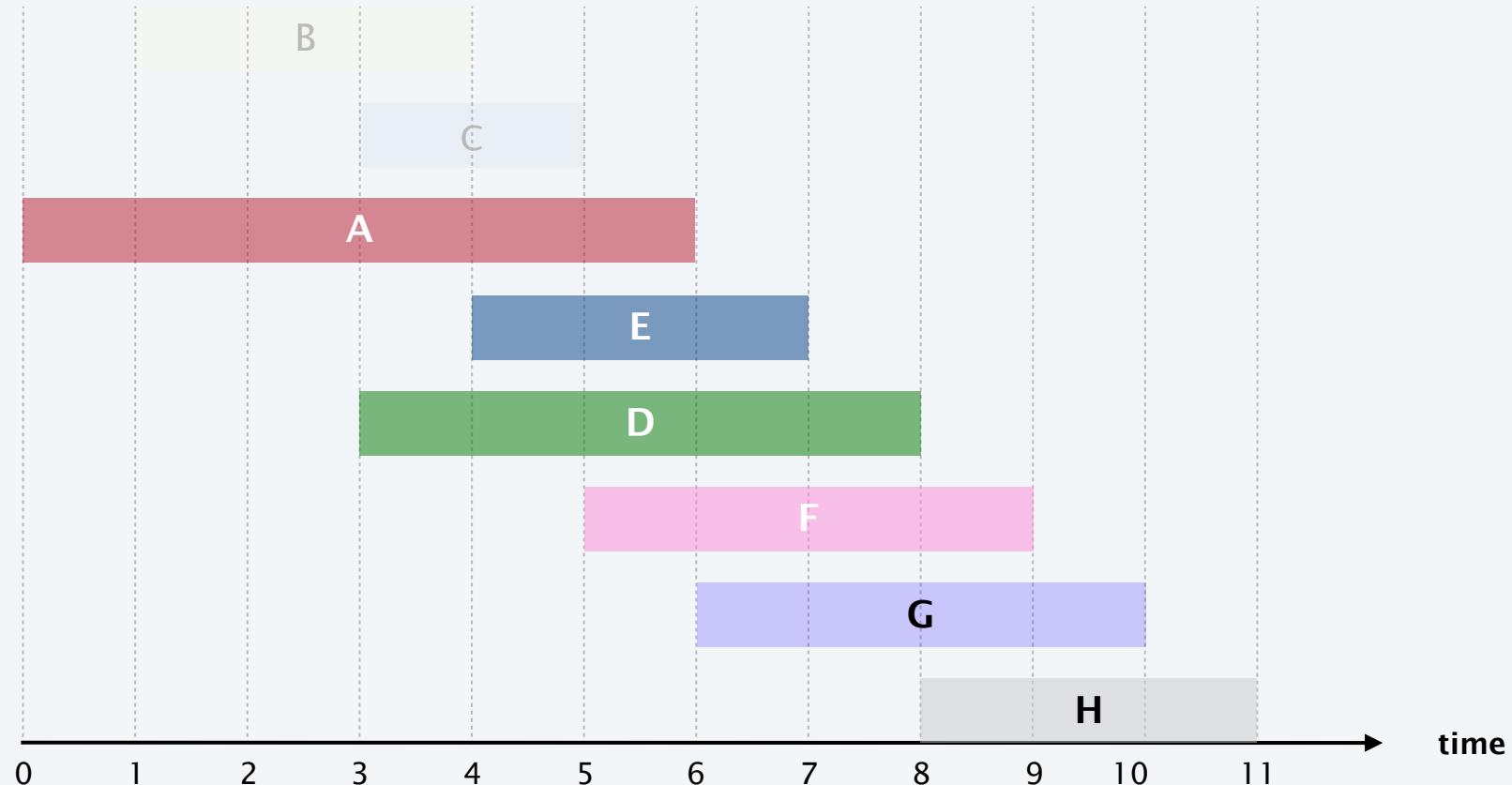
job C is incompatible (do not add to schedule)



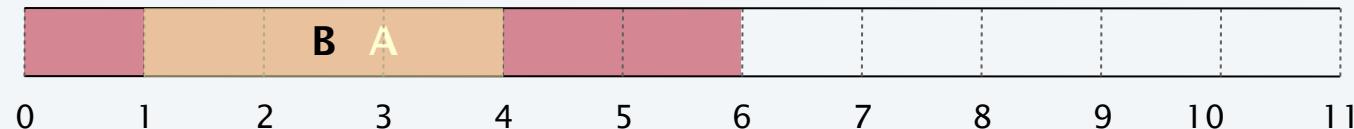
# Earliest-finish-time-first algorithm demo



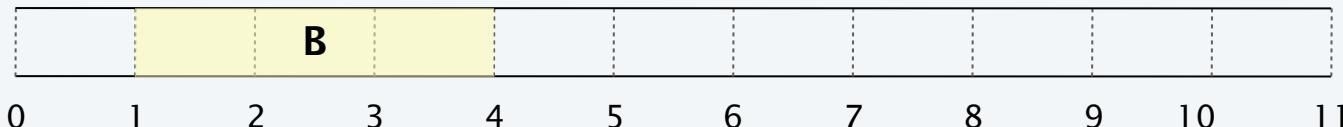
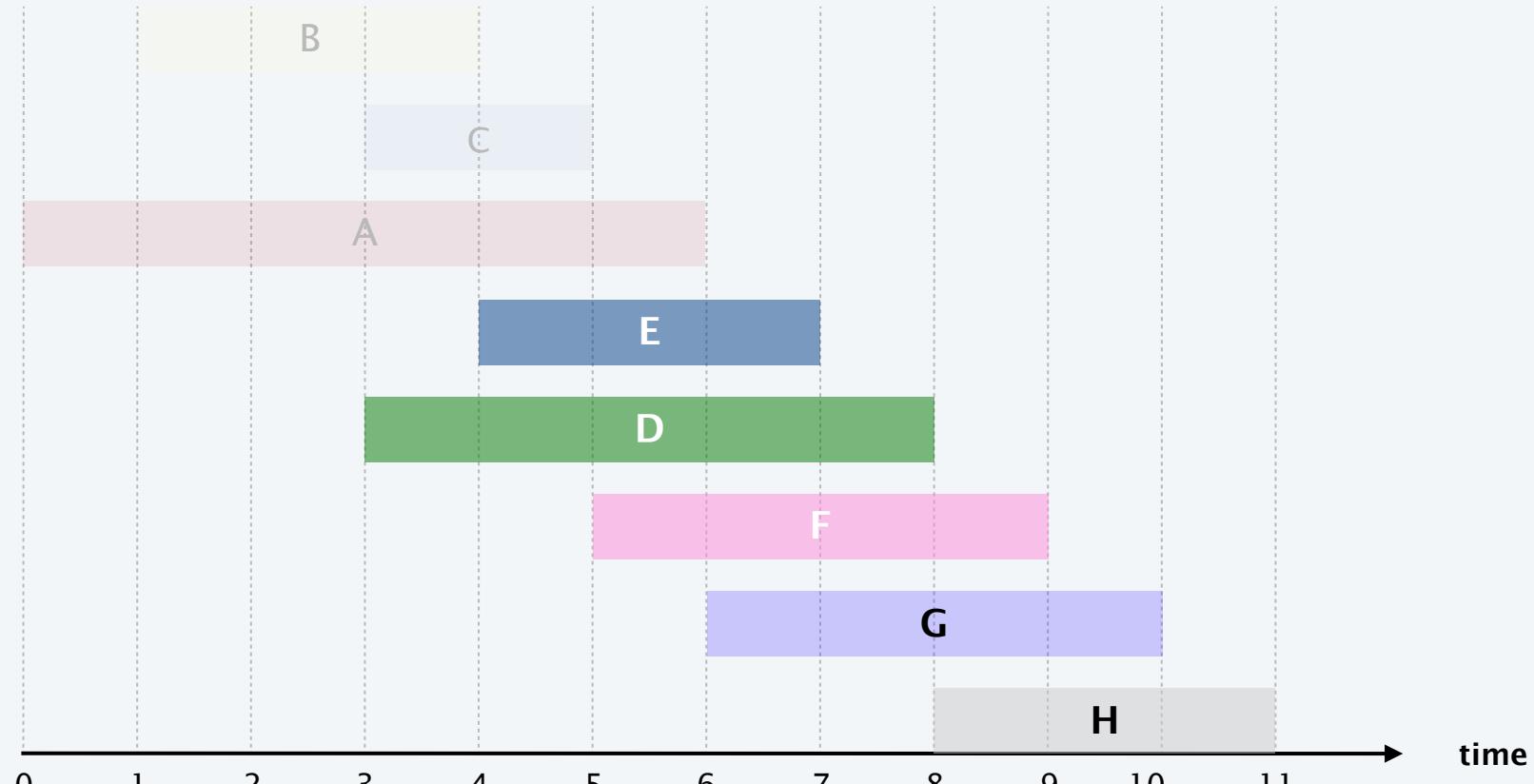
# Earliest-finish-time-first algorithm demo



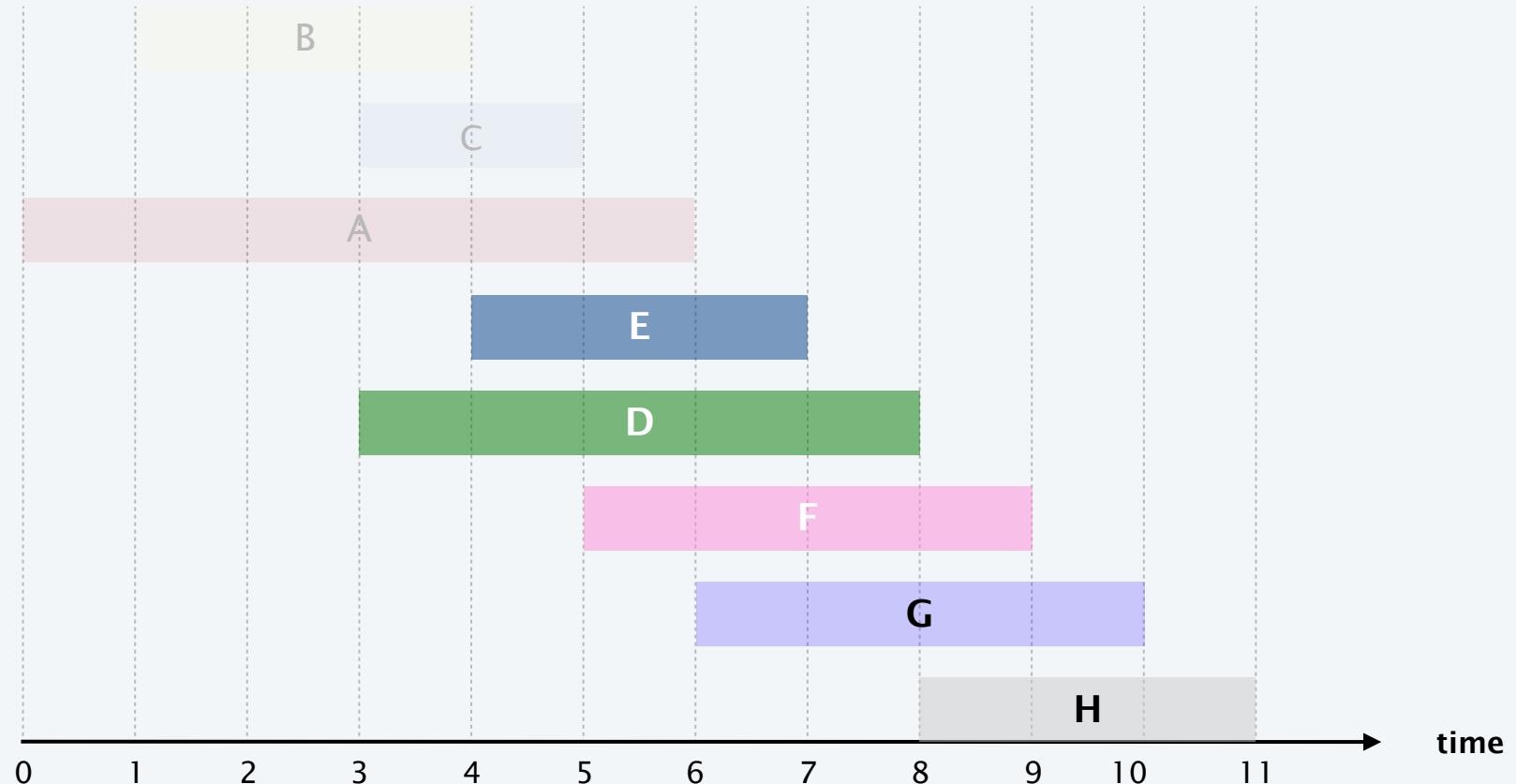
job A is incompatible (do not add to schedule)



# Earliest-finish-time-first algorithm demo



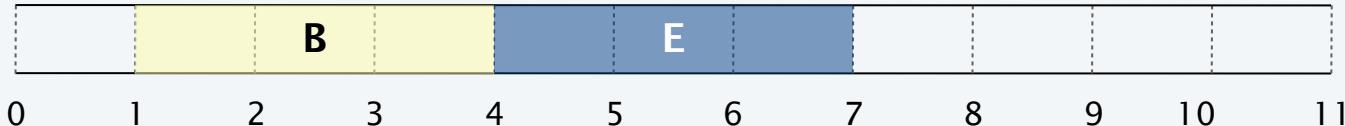
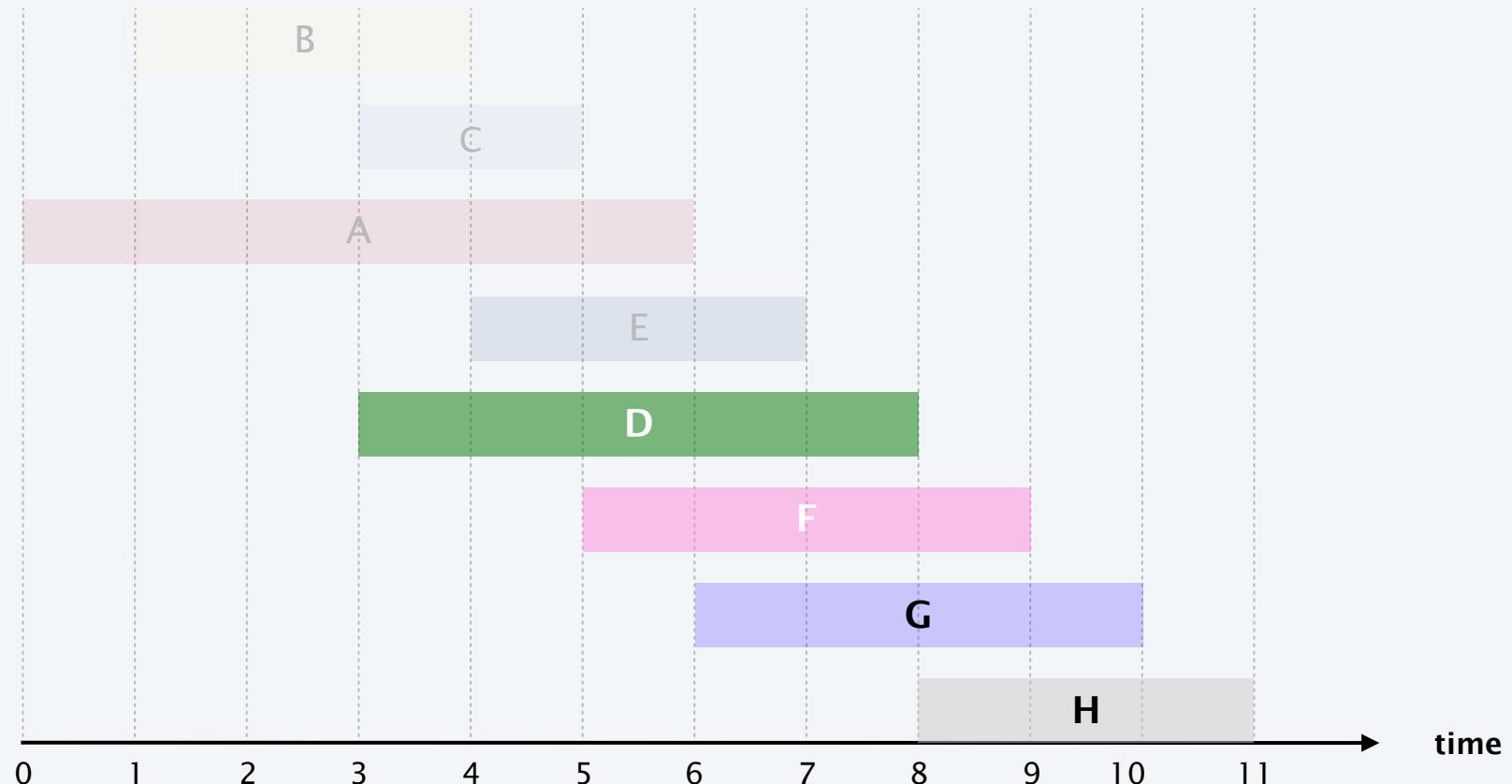
# Earliest-finish-time-first algorithm demo



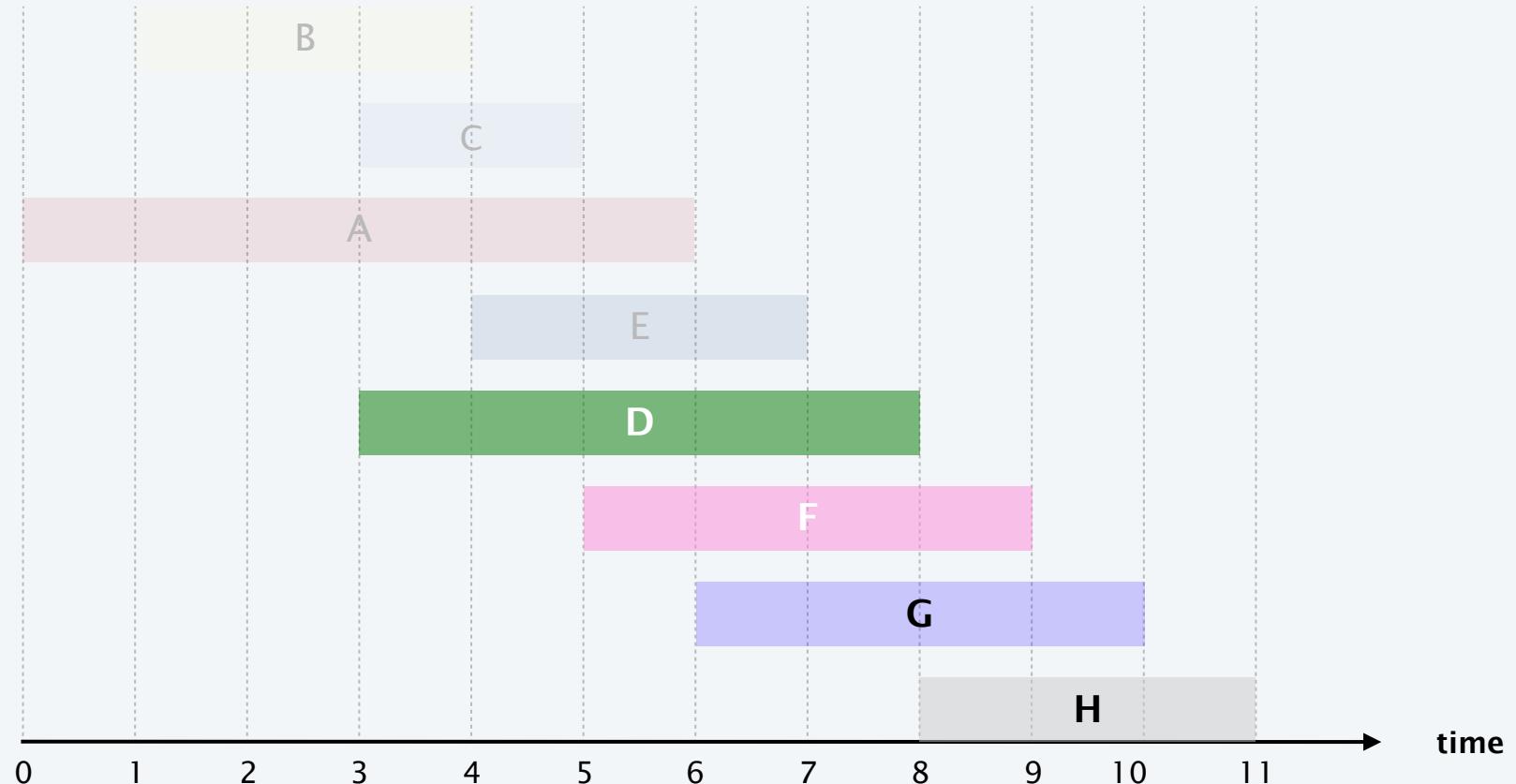
job E is compatible (add to schedule)



# Earliest-finish-time-first algorithm demo



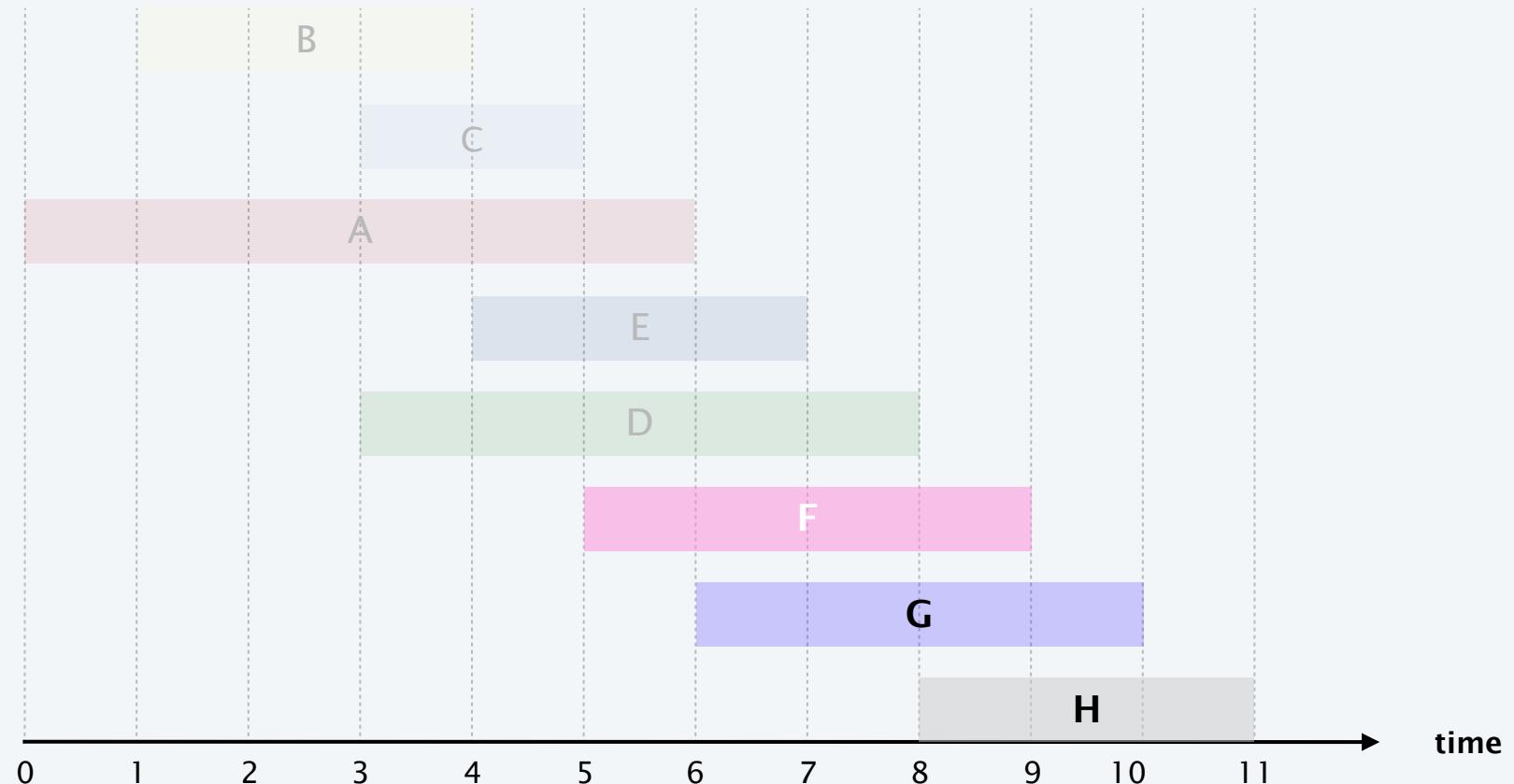
# Earliest-finish-time-first algorithm demo



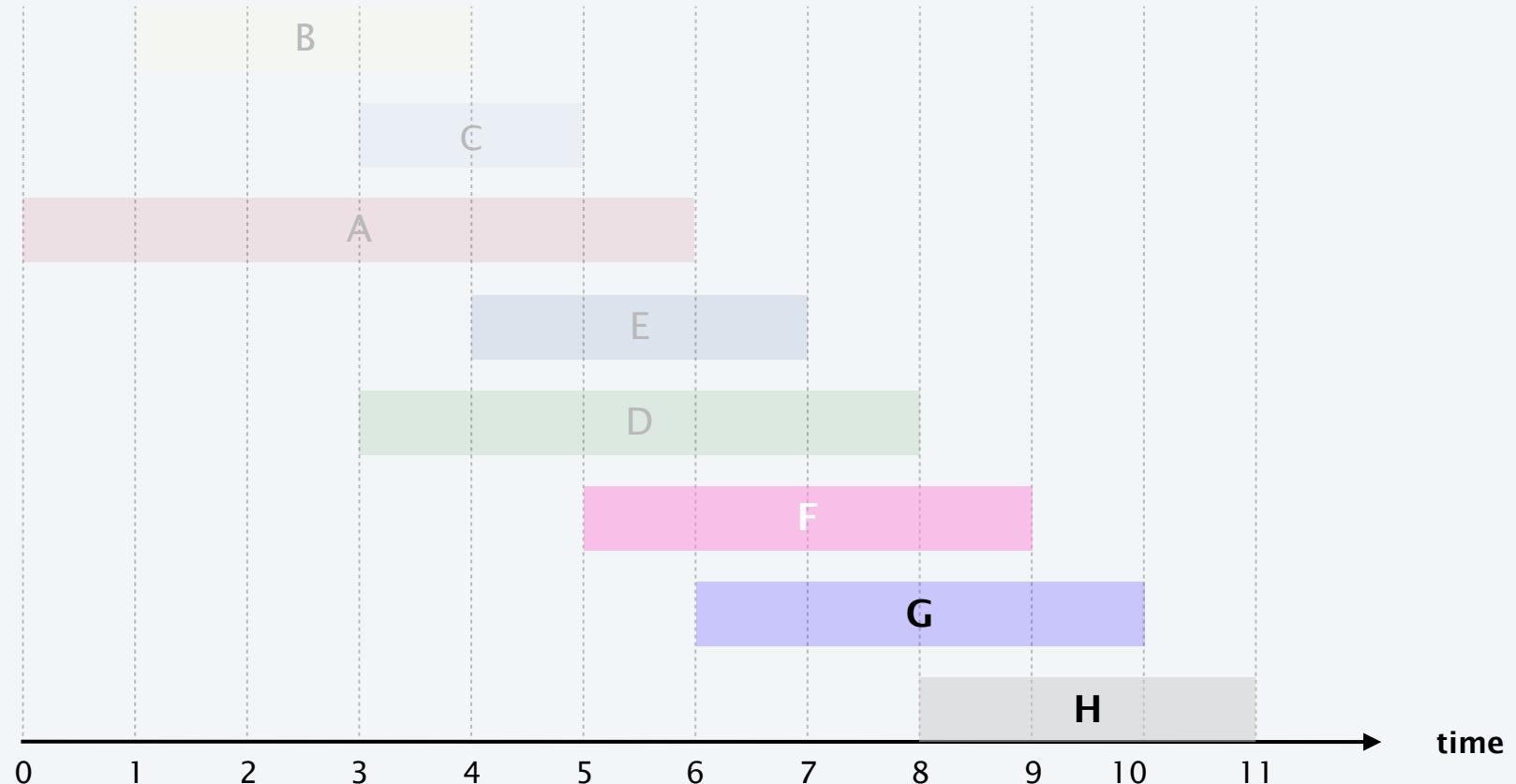
job D is incompatible (do not add to schedule)



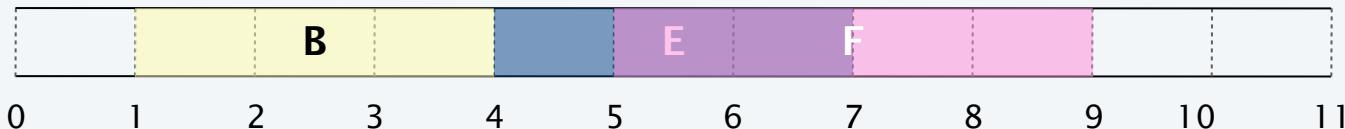
# Earliest-finish-time-first algorithm demo



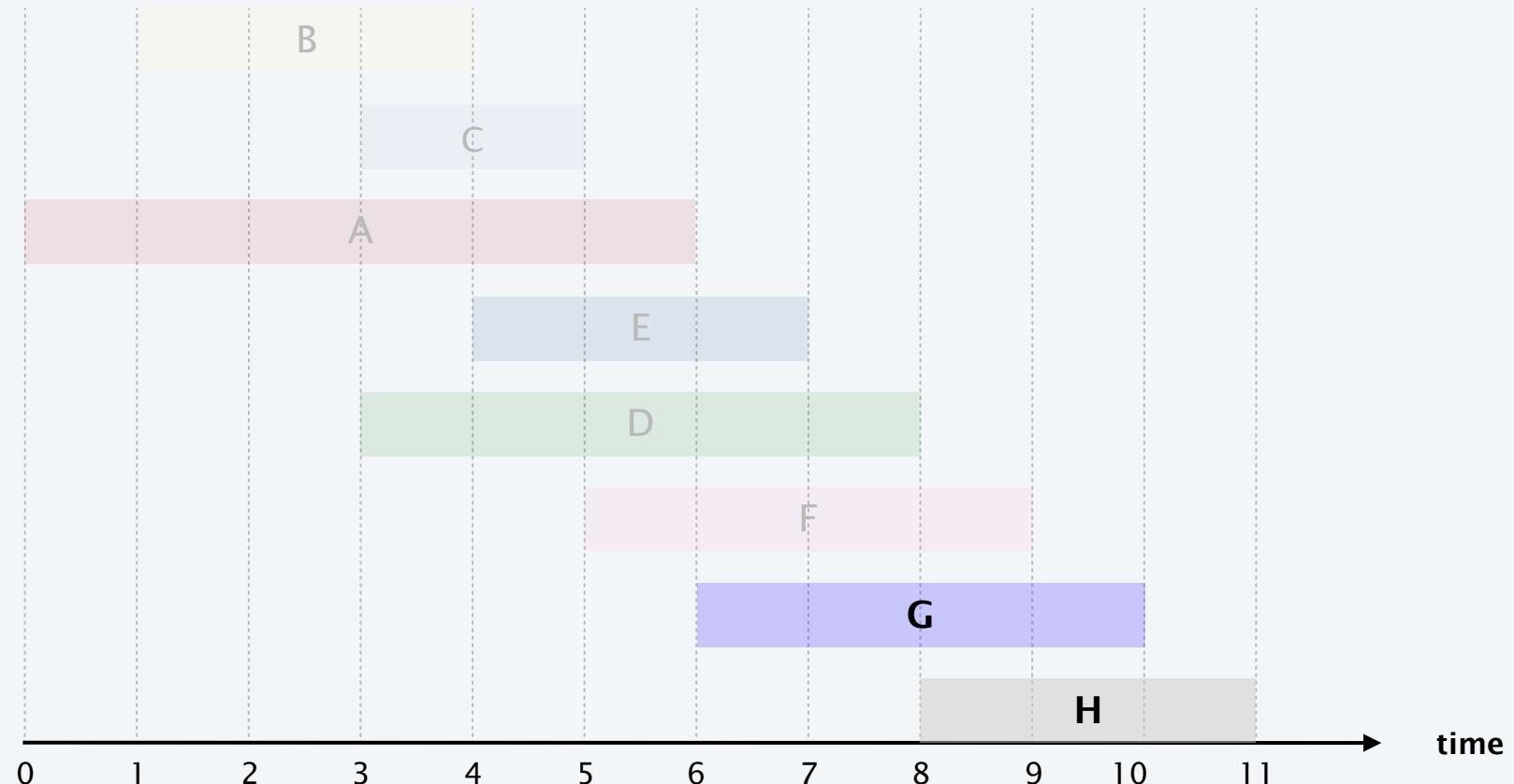
# Earliest-finish-time-first algorithm demo



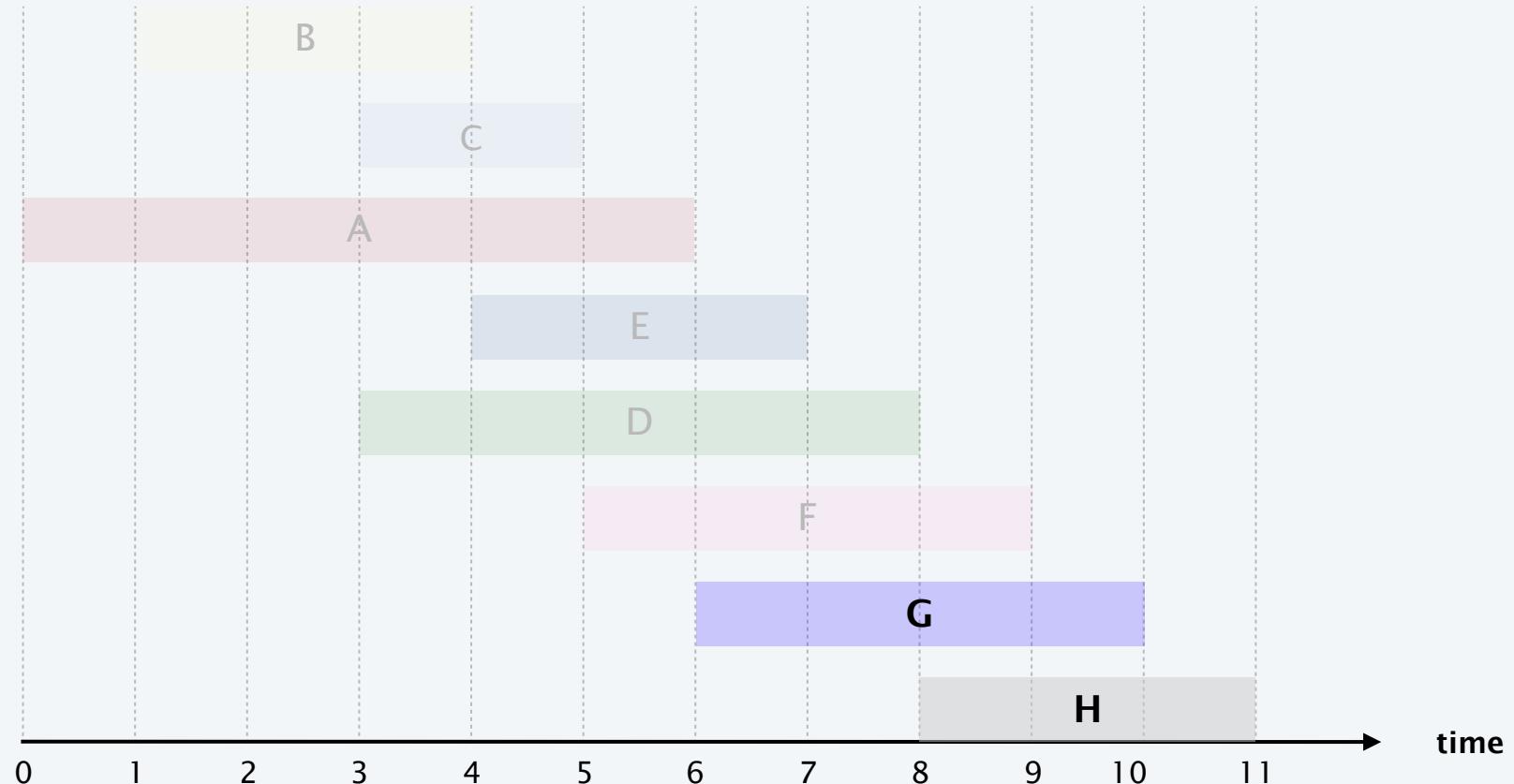
job F is incompatible (do not add to schedule)



# Earliest-finish-time-first algorithm demo



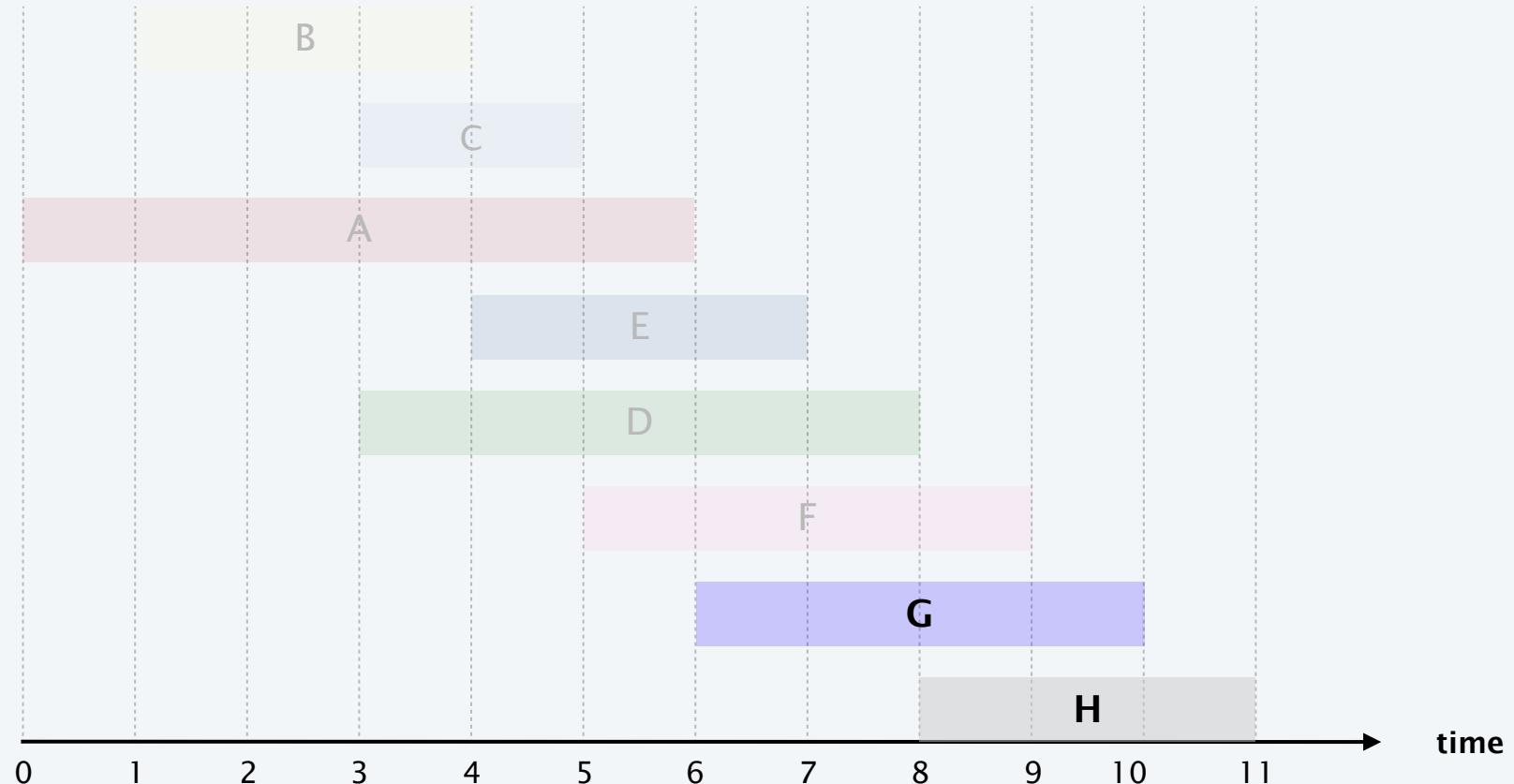
# Earliest-finish-time-first algorithm demo



job G is incompatible (do not add to schedule)



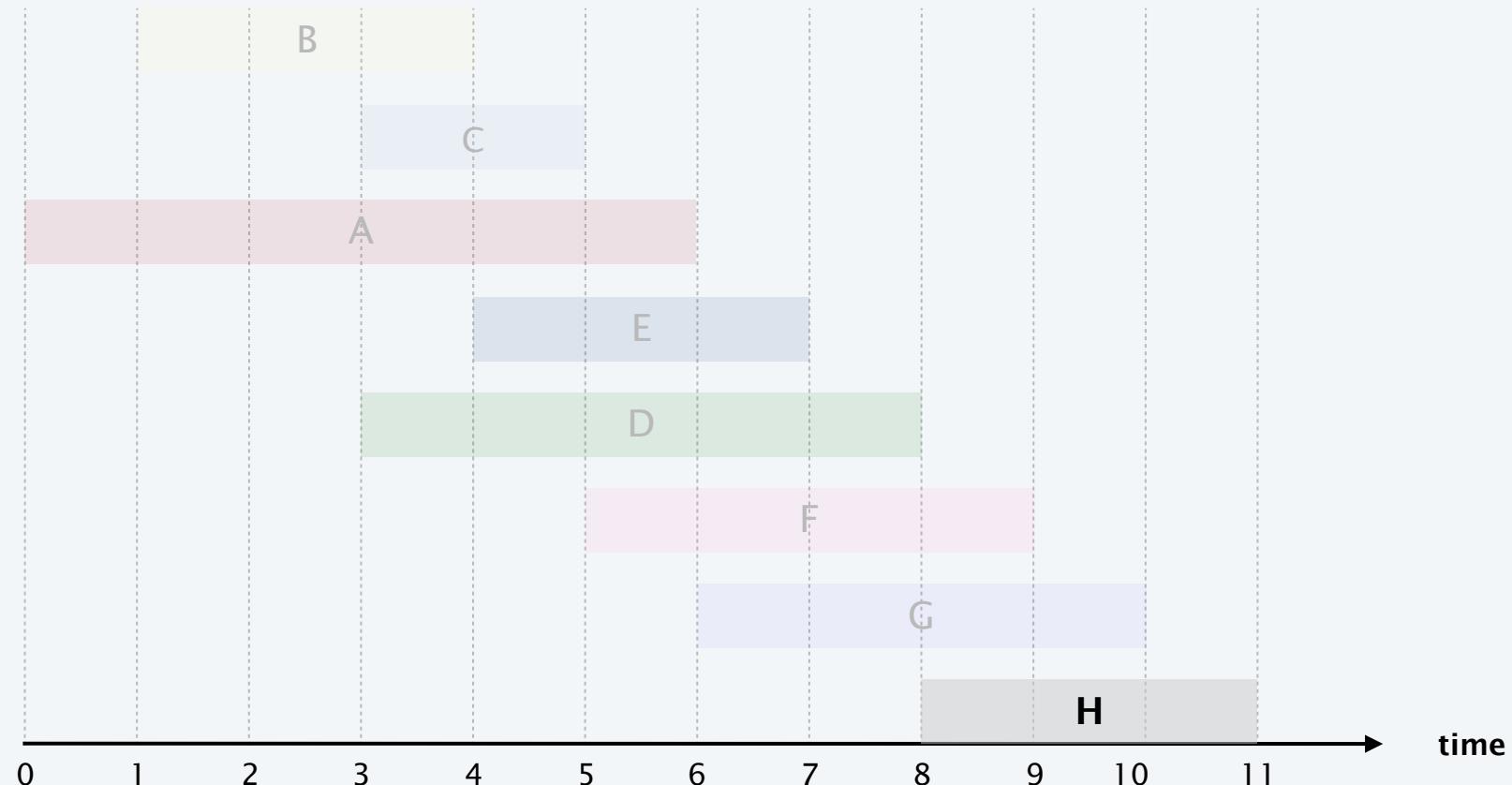
# Earliest-finish-time-first algorithm demo



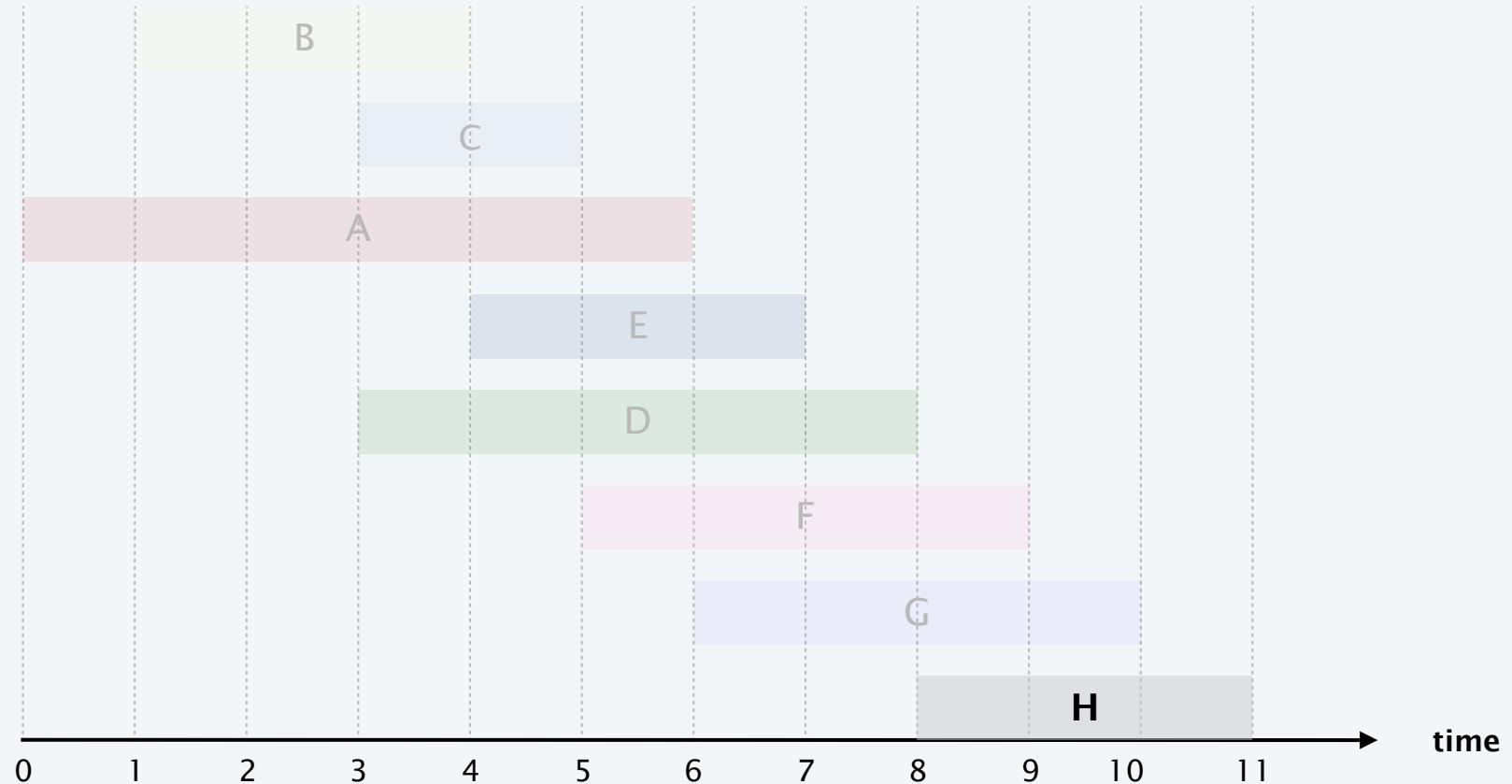
job G is incompatible (do not add to schedule)



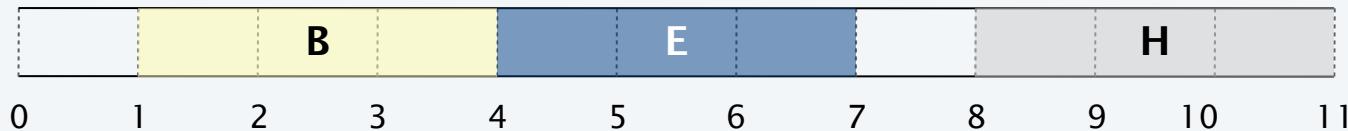
# Earliest-finish-time-first algorithm demo



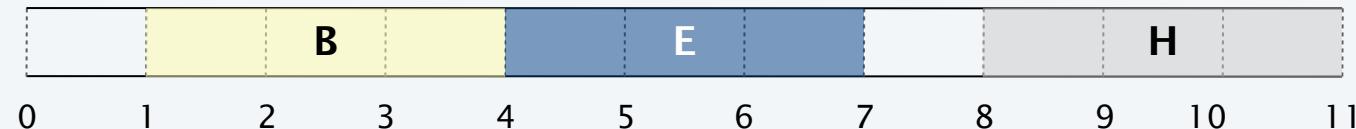
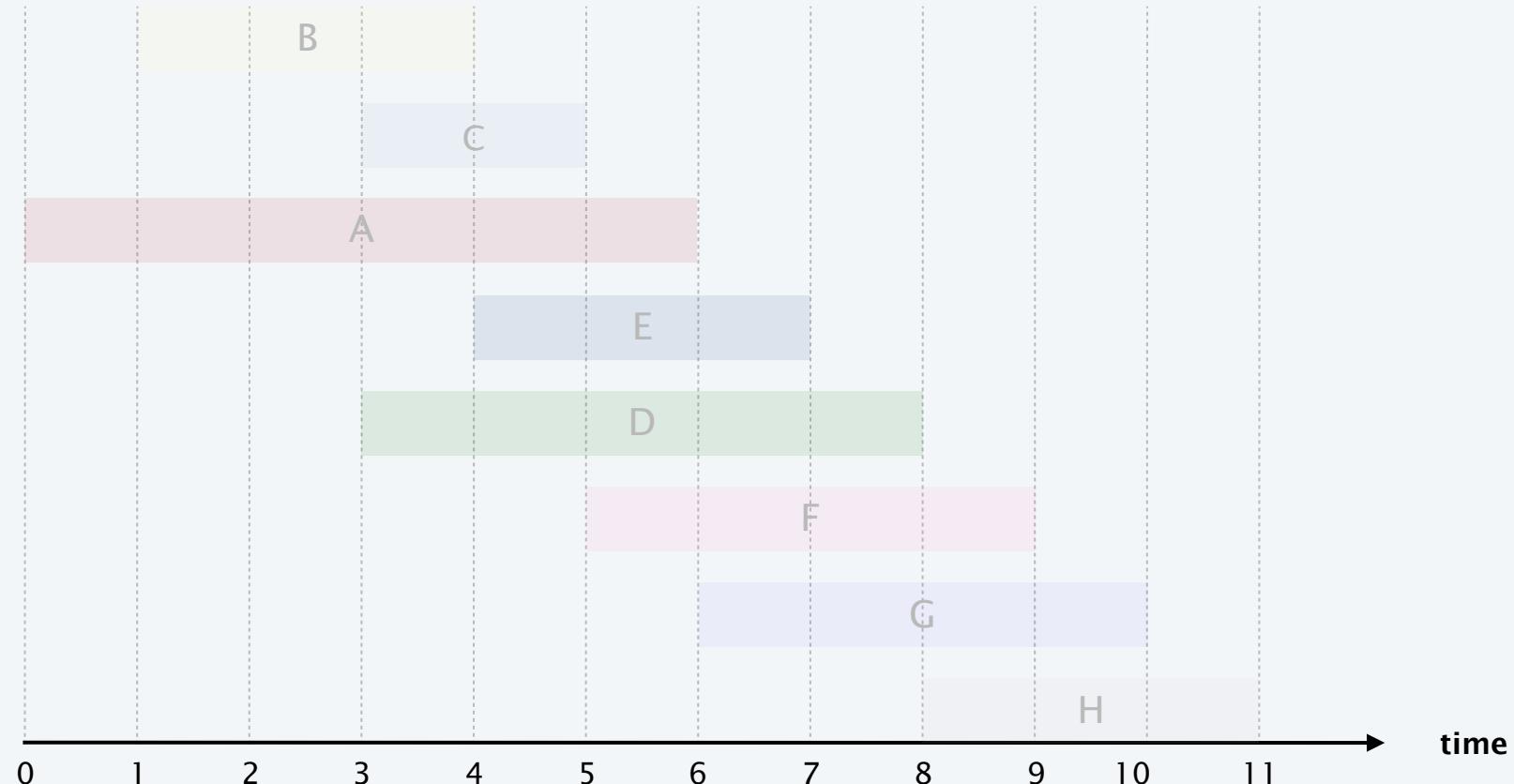
# Earliest-finish-time-first algorithm demo



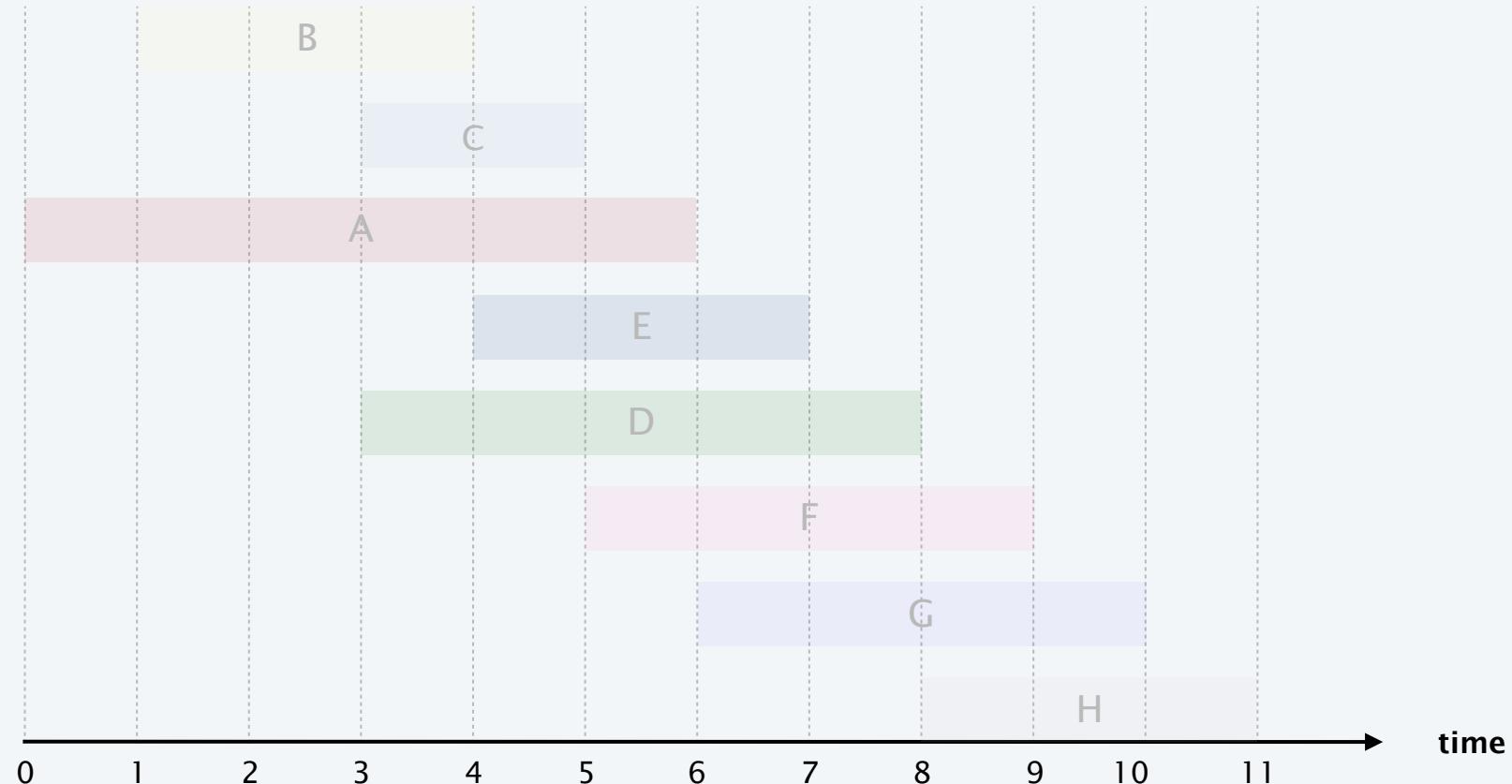
job H is compatible (add to schedule)



# Earliest-finish-time-first algorithm demo



# Earliest-finish-time-first algorithm demo



done (optimal set of jobs)

