



Name:

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section:

Q₁. The operations manager of a body and paint shop has five cars to schedule for repair. He would like to minimize the throughput time (makespan) to complete all work on these cars. Each car requires body work prior to painting. The estimates of the times required to do the body and paint work on each are as follows:

Car	Body Work (Hours)	Paint (Hours)
A	8	7
B	9	4
C	7	9
D	3	4
E	12	5

Use Johnson's rule to sequence these five jobs, determine the optimum time to finish them, and find the total idle time. Show your work.

