

ESPRIT STATISTICS@UDBHAV'10

Department of chemical engineering

PROBLEM_DAY 1-

Nine strangers ,each possessing a car,meet on the eastern edge of a desert.they wish to explore the interior ,always going due west.each car can travel twenty three miles on contents of engine tank,which holds a gallon of fuel,and each can carry nine extra gallon cans of fuel and no more. And after every step performance of the engine is doubled with same amount of fuel.unopened cans can alone be transferred from car to car .what is the gratest distance at which they can enter the desert without making any depots of fuel for the return journey?

mail pdf/doc file of solution to-

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or solutions can be submitted on a sheet at following addresses-

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