Home assignment 10

We are going to do a simulation study on a structural steel installation job where 1) structural steel elements arrive at the site from steel fabrication shop 2) structural steel elements are stored in order based on their arrival time by iron worker crew 3) a tower crane moves the elements to their erection location 4) iron worker crew first temporarily stabilizes the steel element on its location to let the crane off and can serve other steel element installation 5) Iron worker crew finishes the installation by bolting and welding the steel elements. There is one crane and two iron worker crews for the operation!

Historical input and output data are presented in the excel sheet attached. Develop a simulation model for the operation. Do verification steps to make sure that you have correctly built the model. Do input/ output validation test to make sure that your model is correct. Explain and submit your steps and the model developed!

Due in one week