

Home assignment 8

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In our paving example suppose trucks trip to asphalt plant is normally distributed with the mean of 9 minutes and SD of 1 minutes. There are two asphalt loading stations with a constant loading duration of 6 minutes. The return trip to the paving site has a normal distribution of 12 minutes and SD of 2 minutes. Spreading has a uniform duration between 2 to 3 minutes. Compacting of each batch of asphalt has a triangular distribution with minimum of 1, maximum of 5 and mod of 2 minutes. There are total 6 trucks working in the operation. Time of each truck arrival at the morning has a uniform distribution between 6:55 am to 7:10 am. Operation stops at 6 pm in the evening. Develop the simulation model of the operation using AnyLogic.

□ **(Due in one week)**

