

Exercise 8

Consider the following PERT AOA network of a project.

- Calculate the earliest and latest time expected values and variances of all events.
- How much is the probability of completion project within 16 days?
- How much is the probability of occurring event 4 through 8 to 11?
- Calculate T_c such that the project can be completed within T_c days with the certainty of 95%.
- If we know that event 5 has occurred at 5, calculate the expected time of project completion and its variance. ($E(T_c)$ and $\text{Var}(T_c)$)

