

A software project is estimated using the Basic COCOMO model. The size of the project is determined to be 50,000 lines of code (LOC). The project is expected to be developed by a team of 6 developers. The average experience level of the developers is 3 years each, The nominal productivity for the project is estimated to be 10 LOC per person-month.

Calculate the effort required for the project in person-months using the Basic COCOMO model.