**Problem 1:**

Suppose we consider the scheduling of tasks involved in building a house on a foundation that already exists.

Draw Gantt bar chart for this project and use this representation to determine the expected number of days it will take finish the project.

|  |  |  |  |
| --- | --- | --- | --- |
| Task Number | Task Name | Predecessor | Duration  (days) |
| 0  1  2  3  4  5  6  7  8  9 | Start  Framing  Roofing  Siding  Windows  Plumbing  Electricity  Insider Finishing  Outside Painting  Finish | –  0  1  1  3  3  2,4  5,6  2,4  7,8 | 0  2  1  3  3  2  2  4  3  0 |