

Alpha Corp

- AlphaCorp puts up buildings at a variety of locations.
- Each building requires a number of different types of materials in quantities that vary per building.
- Different crews carry out different portions of a project.
- For example, there may be a crew for framing, a crew for drywall, a crew for plumbing, a crew for masonry, and so on.
- In scheduling the construction of a building, AlphaCorp assigns different crews to different dates.
- Workers are assigned to different crews, depending on their skills.
- For example, Freddie Silkcloud can do both carpentry and masonry work; and is assigned at various times to framing, drywall, and masonry crews.
- The size of a crew varies according to the size and requirements of the building. Consequently, crews are formed as needed for a particular building.
- A worker can be appointed as the foreman on one crew and simply a worker on another crew.
- Axis Shinyfoot, owner of AlphaCorp, wants to know which of his workers are assigned to crews for various buildings, what materials are being used for the buildings, and when work on each building is scheduled.