

ABSTRACT

Let $\mathcal{A} = \{a_1, \dots, a_n\}$ be a set of n activities. Suppose that for each activity a_i , $1 \leq i \leq n$, there is a resource requirement r_i and a duration d_i .

Activity a_i is said to be a *predecessor* of activity a_j if a_i must be completed before activity a_j can begin.

Let \mathcal{P} be a set of precedence relations between activities in \mathcal{A} . Let \mathcal{A}, \mathcal{P} be a precedence network.

Let \mathcal{A}, \mathcal{P} be a precedence network. Let \mathcal{R} be a set of resources. Let $\mathcal{A}, \mathcal{P}, \mathcal{R}$ be a resource network.

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