Managerial Tasks \([T]\) 

**Task Decomposition**

\[T_1 \rightarrow D_1 \supset \{d_{1,1}, d_{1,2} \ldots d_{1,m}\}\]
\[T_2 \rightarrow D_2 \supset \{d_{2,1}, d_{2,2} \ldots d_{2,n}\}\]
\[
\ldots
\]
\[T_x \rightarrow D_x \supset \{d_{x,1}, d_{x,2} \ldots d_{x,z}\}\]

**Reduction Operations**

\[D = (D_1 \cup D_2 \ldots \cup D_x)\]
\[D^\wedge = (D_1 \cap D_2 \ldots \cap D_x)\]
\[D^* = D \sim D^\wedge = \{d_1, d_2 \ldots d_n\}\]

\(\forall d_i \in D^*\)

**Assigns the set of decision exercises underlying each task**

\(\sim\) operator eliminates redundancies, such that 

\(D^*\) is a one-time-mention array of managerial decision requirements

**System Resource Distributions**

**Centralized Facilities:**

All \(I\) or \(P\) elements needed by all units

**Proprietary Facilities:**

Any informational/programmatic components peculiar to one unit

**Communal:**

Information or programmatic (instrumental) facilities for which two or more units have a common need

**Tasking Tableau:**

\(D^* \times U\)

Indicates which organizational constituent (unit) is responsible for which decision requirement(s)

**Informational Requirements**

\(\{I\}d_i\)

Allocates Informational items to Units given their decision responsibilities

**Programmatic (processual, instrumental) Requirements**

\(\{P\}d_i\)

Allocates Programmatic facilities to Units on the basis of their decision responsibilities

**Specifies the system facilities needed by each of the unique decision requirements identified above**

\[
\begin{array}{ccc}
  d_1 & d_2 & d_i & d_n \\
  U_1 & & & \\
  U_j & & [I] & \\
  U_m & & & [P] \\
\end{array}
\]