6.005 Elements of Software Construction Fall 2008

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Graphical Object Model Notation 6.005 / Elements of Software Construction / Fall 2008



S1 and S2 are subsets of S, and are disjoint; no label means extends

S	m R n	Т
		-

R is a relation from *S* to *T* with multiplicities *m* and *n* Maps m atoms in S to each atom in T, and each atom in S to n atoms in T Corresponds to the textual constraint *R*: $S m \rightarrow n T$ *R* may be any relational expression

s	m <a>.R n	Т
		-

R is a ternary relation from A to S to T

for each atom a in A, a.R is a relation with multiplicities m and nCorresponds to the textual constraint *all* $a: A \mid a.R: S m \rightarrow n T$ S1 and S2 are subsets of S and are not necessarily disjoint from each other (or from other sets that extend S)