$$T_{H}(n) = \lambda T_{H}(n-1)$$
 is bemogeneous part

 $t^{n} = \lambda r^{n-1}$
 $T_{I} = \lambda r^{n-1}$
 $T_$

Please read relevant textbook sections for relations? functions wheel at top of hub assignment.

Relations A relation is a set of n-types, for arityin.

norst common fixely case is n=2. (bihan, relation)

-easily drawn as a graph.

to the to the total the to

 $\{(x_{31},x_{1}),(x_{21},x_{3}),(x_{31},x_{4}),(x_{31},x_{4}),(x_{41},x_{6})\}$

A binam relation Rexy) can be:

reflexive $\forall x \in D \ R(x,x)$ \leq irreflexive $\forall x \in D \ 7R(x,x)$

Symmetric Yx Yy R(x,y) -> R(y,x)

anti-symmetric bx ky R(xM) ~R(y,x) -> 1 x=y 0

transitive: Halytz R(x,y) nR(y,z) -> R(x,z)

0---

A reflexive antisymmetric transitive relation is called a partial ordering.

A reflexive symmetric transitive relation (rst) is called an equivalence relation.