	I:	brought 1	inette.		4
14 de 1600 > + 160   160	Pos (5) -> Per(5), is a right adjoint of a cic  This lift adjoint (1: Per(5) -> Pos(5)	an Pos (s)	- K	Any set 5, here is a set Rel(s) of binary relations ons. An element e e eless is subset of 5xs.  The set Rel(s) can be given an order (via subset of xis)	Cupsain Chargony Throny)  Determined in the Control of Carry Control of Ca

saying ond some		The hor (x1815 $s_1, s_2 + 5$ such that $s_1, s_2 + 6$ ) $g(s_1) = h$ and $g(s_2) = h$ , $s_0$ , $g(s_1) = n$ $g^*: Prt(T) \rightarrow Prt(S)$ We get a partition $n_0$ on 5 from $n_0$ by saying that $s_1, n_0$ $s_0$	- 5	suppose we are glyin any function g: S-T, it will g!: Byt (S) -> Byt (T) ( lift adjoint)  g*: Byt (t) -> Byt (S) ( Pight adjoint)  For a cultigary throast:  S -9 T  S -9 T  S -9 T	Pullbacks, Parthons, Galois conniction.
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