





































## **Differential Relations** Algorithm Input: Relation R, update u, compiled assertion $C_i$ Step 1: Generate differential relations R+ and R-Step 2: Retrieve the tuples of *R*+ and *R*- which **do not** satisfy $C_i$ Step 3: If retrieval is not successful, then the assertion is valid. Example : *u* is delete on J. Enforcing (J, DELETE, C2) : retrieve all tuples of Jinto RESULT where not(C2) If RESULT = $\phi$ , the assertion is verified. Distributed DBMS © 1998 M. Tamer Özsu & Patrick Valduriez Page 6. 20







