Deficiencies of prolog



 Resolution order control: Prolog matches in the same order, staring at the beginning of the database. Because of this, the user can profoundly affect the efficiency by ordering the database statements to optimize a particular application. If the user knows certain rules are more likely to succeed, he can place them in the beginning.

Ex: Explicit control of backtracking.

a, b, !, c, d.

This ability to tamper with control flow is against the principles of declarative paradigm.

But this way you can specify order to minimize time

if gresult of A original on to evaluate C in A, b, c, d Contribution true, will predicate be true) if Cistolse, don't evaluate A a, b, l, c, d [if Cistalse, don't come back]

(2) The closed word assumption: Misleading results

(3) Nepation: Sibling (x,y):- (perent(M,y), pount(MK))