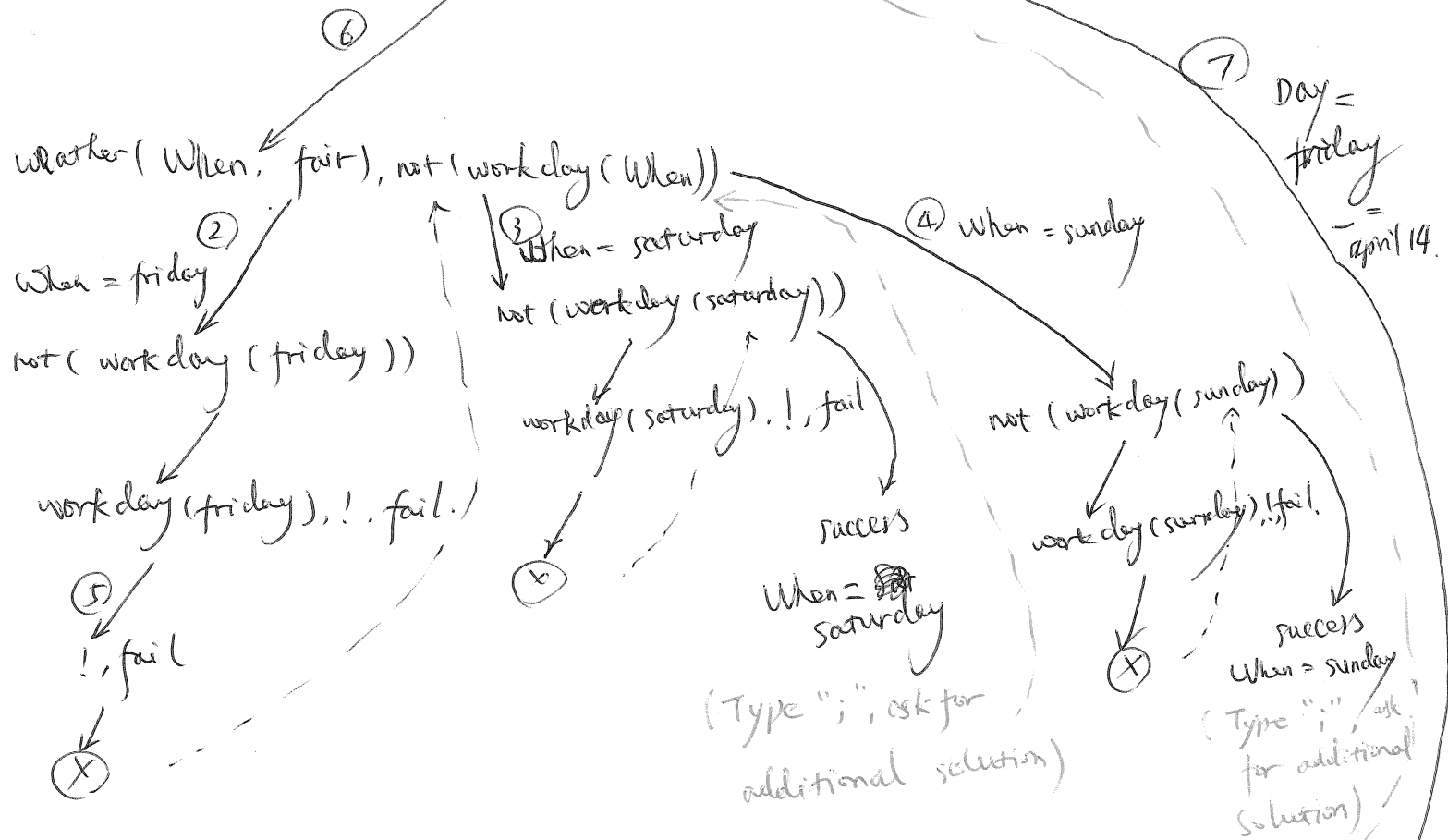


Example 1 — Depth First Search for prolog

holiday (When)

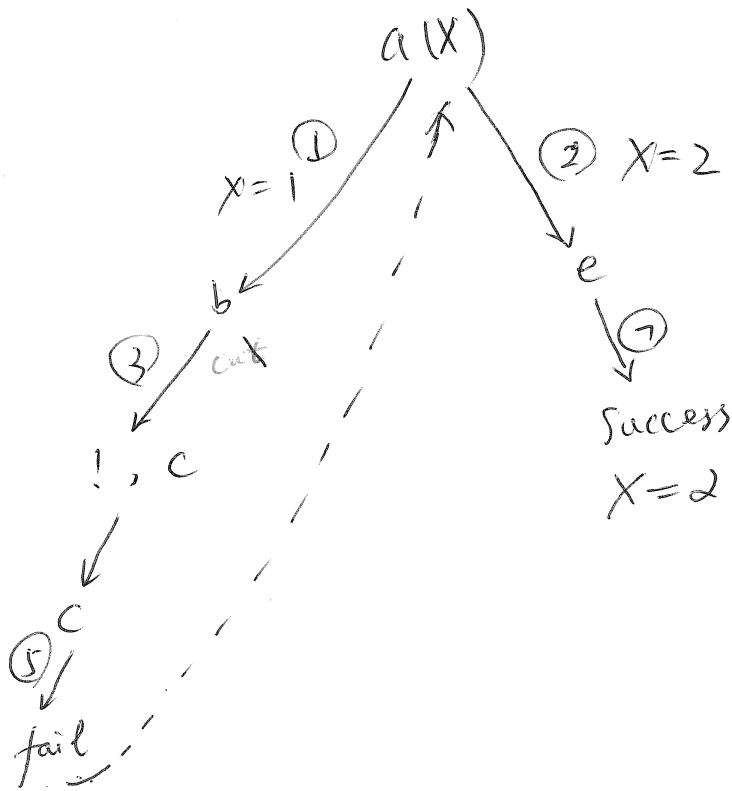


Note that  
 not(G) : -G, !, fail.  
 not(G).

holiday (friday, april 14)  
 ↓ ①

Success  
 When = friday  
 (Type ";", ask for additional solution, then goal ~~but~~ picnic(When) fails).

# Example 2



(Since no more rules can make  $c$  to be true. hence, back tracks to goal  $a(x)$ )