H define FOO "Hello # define foo(x,y) X+y*2 printf (FOO world In"); foo(a+b,c+d) => a+b + C+d*2 \$ (a+b) + (d+d) x Z #define discriminate (a, b, c) ((b)*(b) - 4 *(a)*(c)) discriminate (make beep (), 7) (defar-syntax-rule (disc a bc) (let ([tmp b]) E int _tmp 8422 = b; (- (* tomp ty) (x 4 ac))) (-tmp == + mp - 4 x (a) x (c); } (let ([tmp 8]) (disc tmp 4 2)) discriminate (-tmp, 4,5) (let ([tmpole 8)] "Hygeine Condition" (let (Ctmpre 4)] (1) It is impossible to write a (- (* tmp tmp ((x 4 tmp bice)))) macro that inserts a binding macro (let ([*she launch-the-missiles-at-gps-coord]) that can capture references offar Han those inserted by He macro. (discriminate 1 23))) 2) It is impossible to write a macro that inserts a reference (let ([x 8p]) (match (cons 1 2) to a binding state often than these $[(\cos xy) = 7 (+xy)]$ Mgented by macro. Oleg Kiselyov - discovered violations

