

```
% 3-19 DE solution (see Matlab dsolve documentation for help)

syms a b L(t) DL(t) DDL(t)
DL = diff(L,t);
DDL = diff(DL,t);
eqn = L*DDL + DL^2 - a == 0;
% cond = L(0)*DL(0) == b;
% the previous cond did not work, so I tried the following instead:
cond = [L(0)==0, DL(0)==Inf];
dsolve(eqn, cond)

% result: Explicit solution could not be found.
```