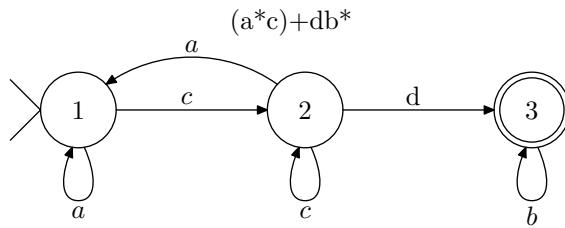


# 1 Perl of great price

```
perl -le 'print "match" if $ARGV[0] =~ /^(a*c)+db*$/' cd
```

## 2 Circles and lines



3 prolog epilogue

s --> [a], s.  
s --> [c], t.  
  
t --> [c], t.  
t --> [a], s.  
t --> [d], u.  
  
u --> [b], u.  
u --> [].

I am still having the darnedest time figuring out to put screenshots into my latex editor so I hope the verbatim text from my terminal suffices as long as I promise to figure it out in any future assignments:

```
rthompson@DESKTOP-EAHC8Q0:~/arizona/hlt538-computational_linguistics/hw6$ swipl  
Welcome to SWI-Prolog (threaded, 64 bits, version 9.0.4)  
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.  
Please run ?- license. for legal details.
```

For online help and background, visit <https://www.swi-prolog.org>.  
For built-in help, use `?- help(Topic).` or `?- apropos(Word).`

?- [grammar].

```
true.

?- phrase(s,[c,d]).  
true.

?- phrase(s,[c,c,c,d,b,b,b,b]).  
true  
Unknown action: for help)  
Action?  
Unknown action: [ (h for help)  
Action?  
Unknown action: A (h for help)  
Action? .

?- phrase(s,[a,a,a,a,a,a,a,a,a,c,d]).  
true.

?- phrase(s,[c,a,a,c,a,a,a,a,c,c,c,d,b,b,b]).  
true .

?- phrase(s,[x,c,d,x]).  
false.

?- phrase(s,[c,a,c,c,a,d,b,b,b,b]).  
false.

?- phrase(s,[a,c,d,b]).  
true .

?- phrase(s,[a,c,b,d]).  
false.

?- phrase(s,[a,c,a,a,a,a,c,c,c,b,b,b]).  
false.

?-
```