

Openfst 使用說明

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預先安裝軟體

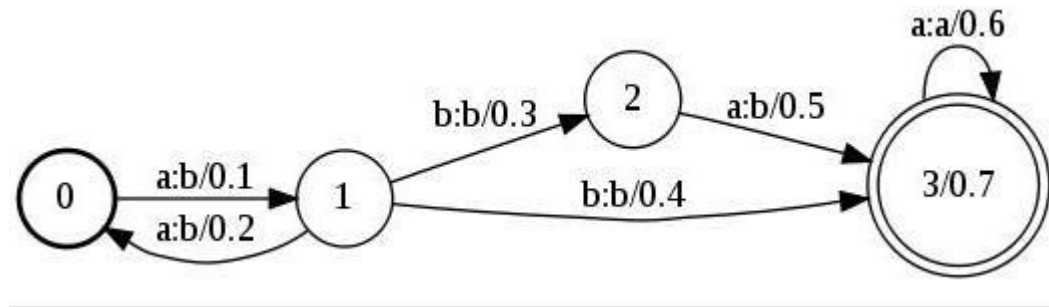
- `openfst-1.2.6`
 - `./configure`
 - `make`
 - `make check`
 - `make install`
- `apt-get install graphviz`

symbol.txt

- 定義 label 對應的編號
- eps 0
 - a 1
 - b 2

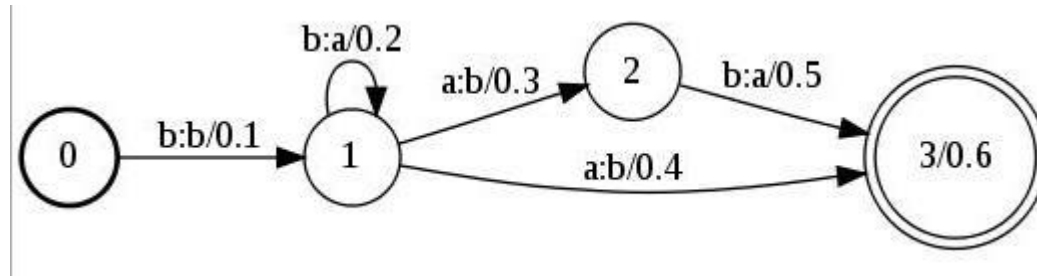
fst1.fst

- 0 1 a b .1
1 0 a b .2
1 2 b b .3
1 3 b b .4
2 3 a b .5
3 3 a a .6
3 .7



fst2

- 0 1 b b .1
1 1 b a .2
1 2 a b .3
1 3 a b .4
2 3 b a .5
3 .6

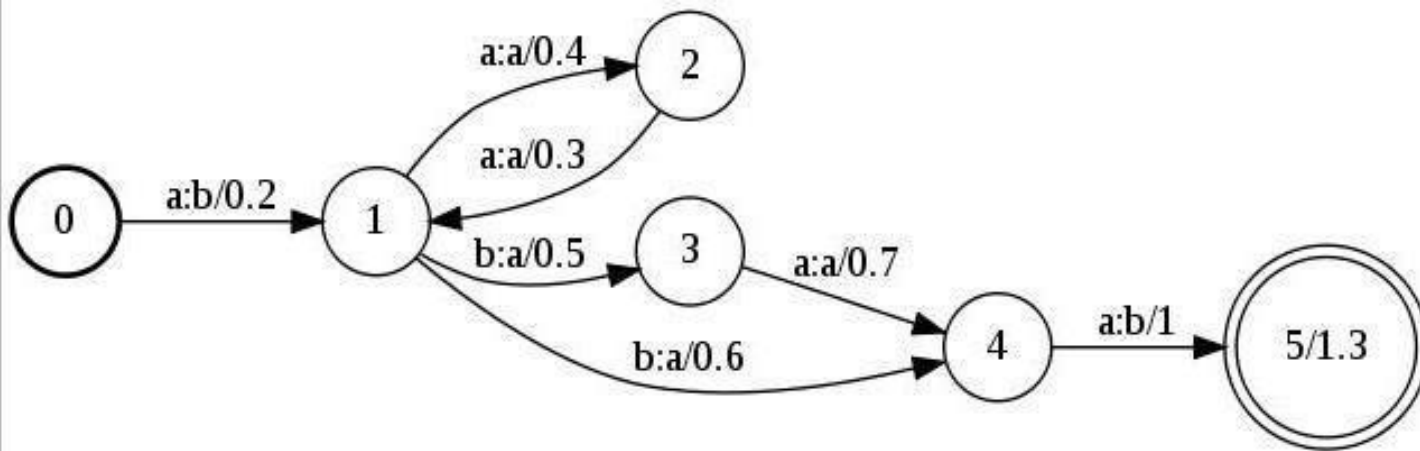


Compile & draw fst1 、 fst2

- **fstcompile --isymbols=symbol.txt --osymbols=symbol.txt < fst1.fst > outfst1.fst**
- **fstcompile --isymbols=symbol.txt --osymbols=symbol.txt < fst2.fst > outfst2.fst**
- **fstdraw --isymbols=symbol.txt --osymbols=symbol.txt <outfst1.fst | dot -Tjpg > fst1.jpg**
- **fstdraw --isymbols=symbol.txt --osymbols=symbol.txt <outfst2.fst | dot -Tjpg > fst2.jpg**

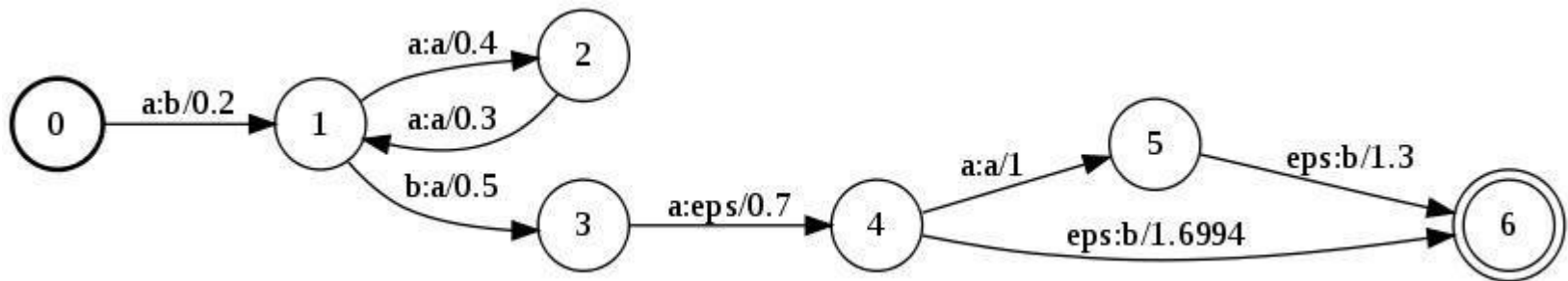
Composition & Draw

- `fstcompose outfst1.fst outfst2.fst compose.fst`
- `fstdraw --isymbols=symbol.txt --osymbols=symbol.txt
<compose.fst|dot -Tjpg > compose.jpg`



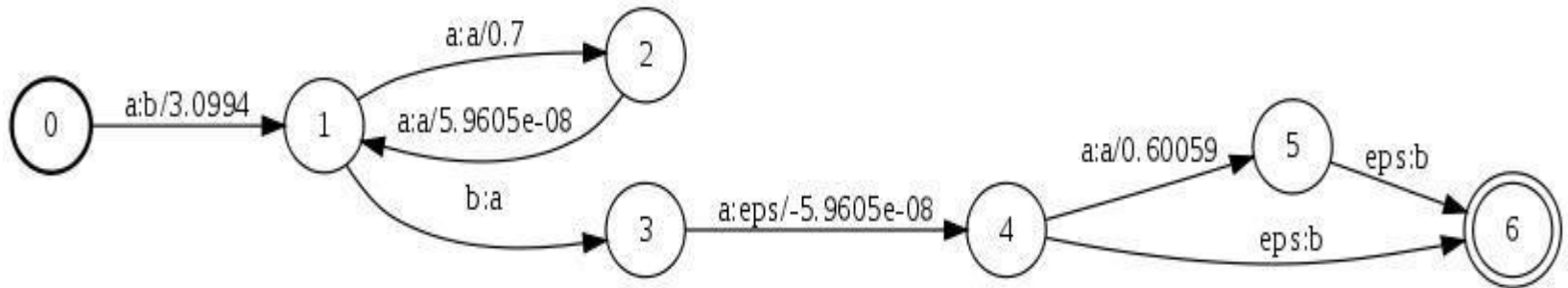
Determinize & Draw

- `fstdeterminize compose.fst determin.fst`
- `fstdraw --isymbols=symbol.txt --
osymbols=symbol.txt <determin.fst | dot -Tjpg
> determin.jpg`



Weight pushing & draw

- `fstpush --push_labels determin.fst push.fst`
- `fstdraw --isymbols=symbol.txt --
osymbols=symbol.txt <push.fst | dot -Tjpg >
push.jpg`



Minimization& Draw

- `fstminimize push.fst minimize.fst`
- `fstdraw --isymbols=symbol.txt --
osymbols=symbol.txt <minimize.fst | dot -Tjpg
> minimize.jpg`

