```
epoch_size: 8734
0.001 perplexity: 19636.775 speed: 461 wps
the watch years years who famous who edsger we who famous years who
famous we who famous years years pretend pretend
0.101 perplexity: 763.972 speed: 241 wps
the
are
computer
collision
who
how
surface
you
swimming
2000
detonate
doesn
swimming
watch
you
detonate
pretend
swimming
doesn
appears
certain
0.201 perplexity: 555.065 speed: 227 wps
the
explains
telescopes
you
threads
you
millions
mysteriously
who
threads
but
universe
step
mechanisms
pretend
up
any
first
```

Epoch: 1 Learning rate: 1.000

watch

```
criticism
famous
0.301 perplexity: 483.509 speed: 281 wps
the
are
long
race
able
appears
the
are
machine
race
any
watch
ourselves
earth
neuroscience
one
are
machine
race
swimming
time
0.401 perplexity: 439.286 speed: 308 wps
the
computer
amazing
first
race
has
mysteriously
only
intelligence
flight
an
first
are
machine
years
detonate
who
detonate
the
first
telescopes
0.501 perplexity: 411.620 speed: 336 wps
```

```
the
are
telescopes
prevent
machine
asteroids
able
mechanisms
pointing
understand
underlying
flight
able
appears
pointing
swimming
understand
surface
able
appears
threads
0.601 perplexity: 392.202 speed: 357 wps
the
are
telescopes
fundamental
you
effect
have
the
finely
amazing
able
appears
prevent
prevent
able
appears
pointing
the
explains
amazing
experiment
0.701 perplexity: 378.879 speed: 374 wps
the
explains
criticism
understand
```

```
think
we
towards
there
understand
years
together
who
claim
through
millennia
an
finely
telescopes
asteroids
an
first
0.801 perplexity: 365.288 speed: 388 wps
the
you
but
early
some
telescopes
ago
development
how
tuned
physical
able
any
fundamental
only
claim
think
certain
otherwise
criticism
over
0.901 perplexity: 354.536 speed: 398 wps
the
computer
intelligence
deflected
can
observe
prevent
able
```

```
appears
machine
undertook
able
appears
pioneers
submarine
able
appears
but
pretend
roughly
prevent
2nd epoch ...
0.501 perplexity: 287.381 speed: 491 wps
the
our
first
seminal
undertook
intelligence
hit
can
finely
famous
flight
able
bombarded
pioneers
swimming
experiment
time
appears
trying
deflected
```

is