

Perl 6 in 2011

salut o/

masak

Perl 6 historian

Perl 6 in 2011

and why

you should

be

excited

about it

Perl 6 in 2011

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but don't have the time to get involved
(have to put food on the family, etc),
but who don't mind going to a talk
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...and why they should be excited about it

In development for a long time

First fear:

"Will Perl 6 ever be released?"

now

what I did not know

In 2003

There was a Perl 6 implementation

Quite a bit of features

if unless while until
for foreach return quotes
try given/when
next substr
last length
break index
redo binary ops join
skip reverse
continue hyperops print
warn
die
much of regexes exit
sleep
time

they were hacking along

but, alas

they ran into a problem

complexity

"The limits of my language mean the limits of my world."

Ludwig Wittgenstein

\o/ enter pmichaud! \o/

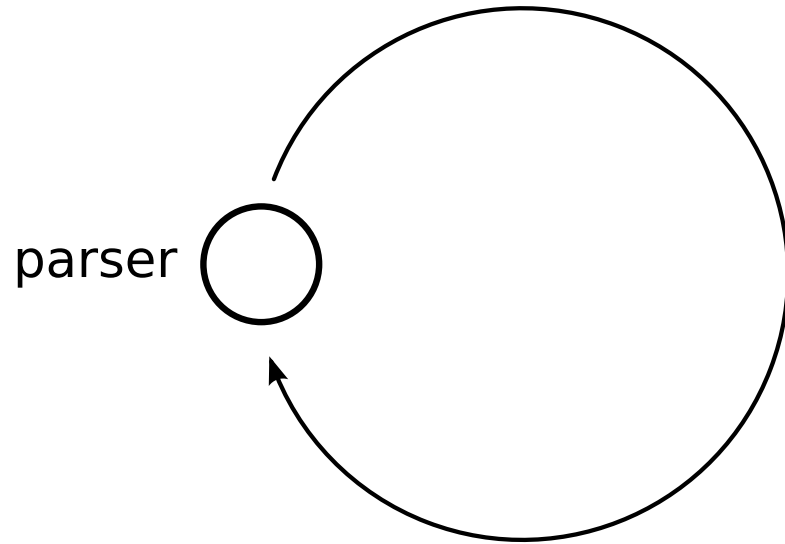
<pmichaud> masak's talks often contain a few
nuggets of potential embarrassment
for me :)

<masak> pmichaud: oh!

<pmichaud> "Rakudo: a long List of fail()s" :-P

Perl 6 manager

with a vision



time is cyclic

start over

waterfall

analysis ⇒ design ⇒ implementation ⇒ testing

whirlpool

testdesignplementanalysignplementest...

more specifically

we learn by implementing

we learn by coding

example: cat

Second fear:

"Will they ever stop changing the spec?"

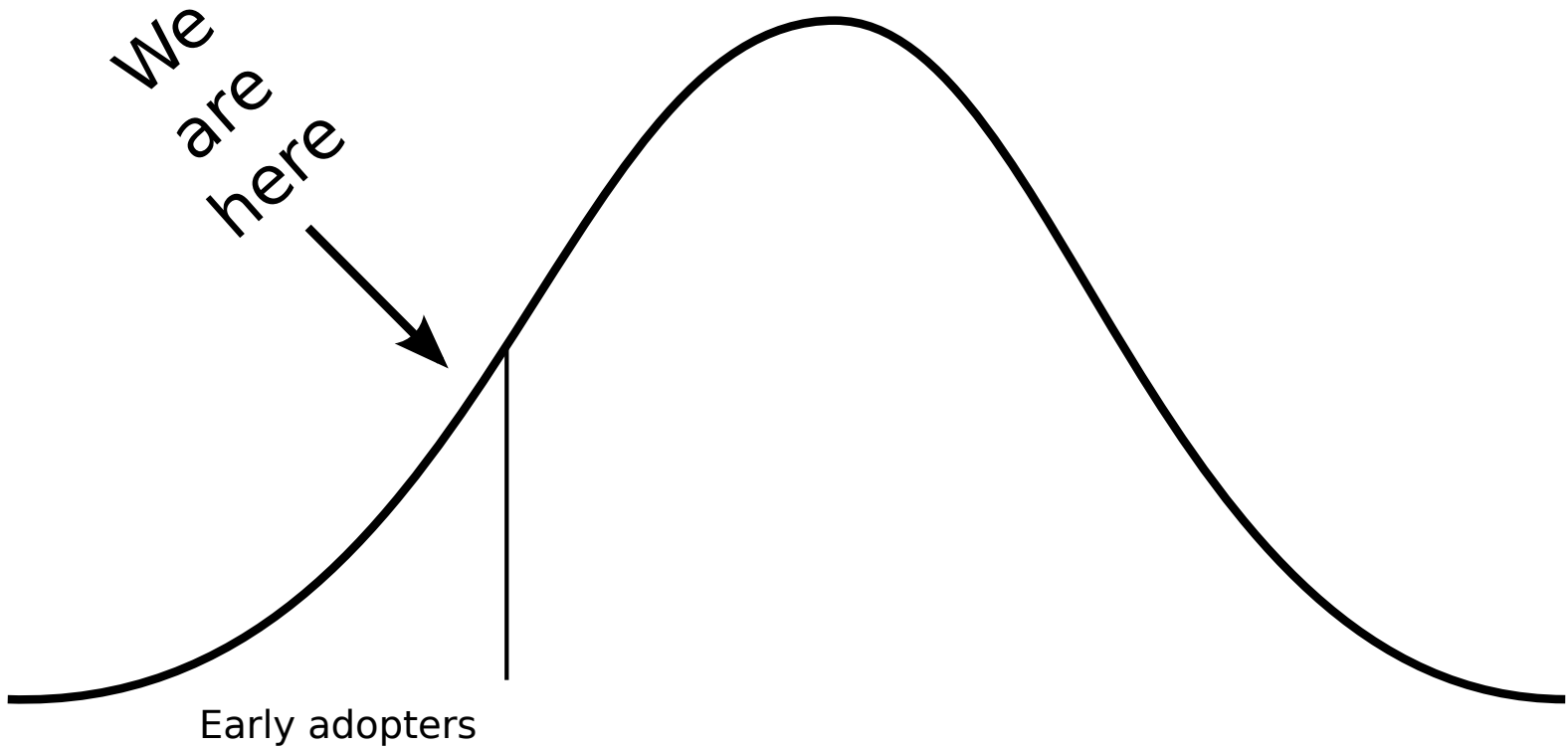
How stable is Perl 6?

<TimToady> it's stable enough to have almost **300 working examples on rosettacode.org** that are expected to continue working for the most part

also

modules

applications



We
are
here

Early adopters

The future is here...

...it's just not very evenly distributed.

William Gibson

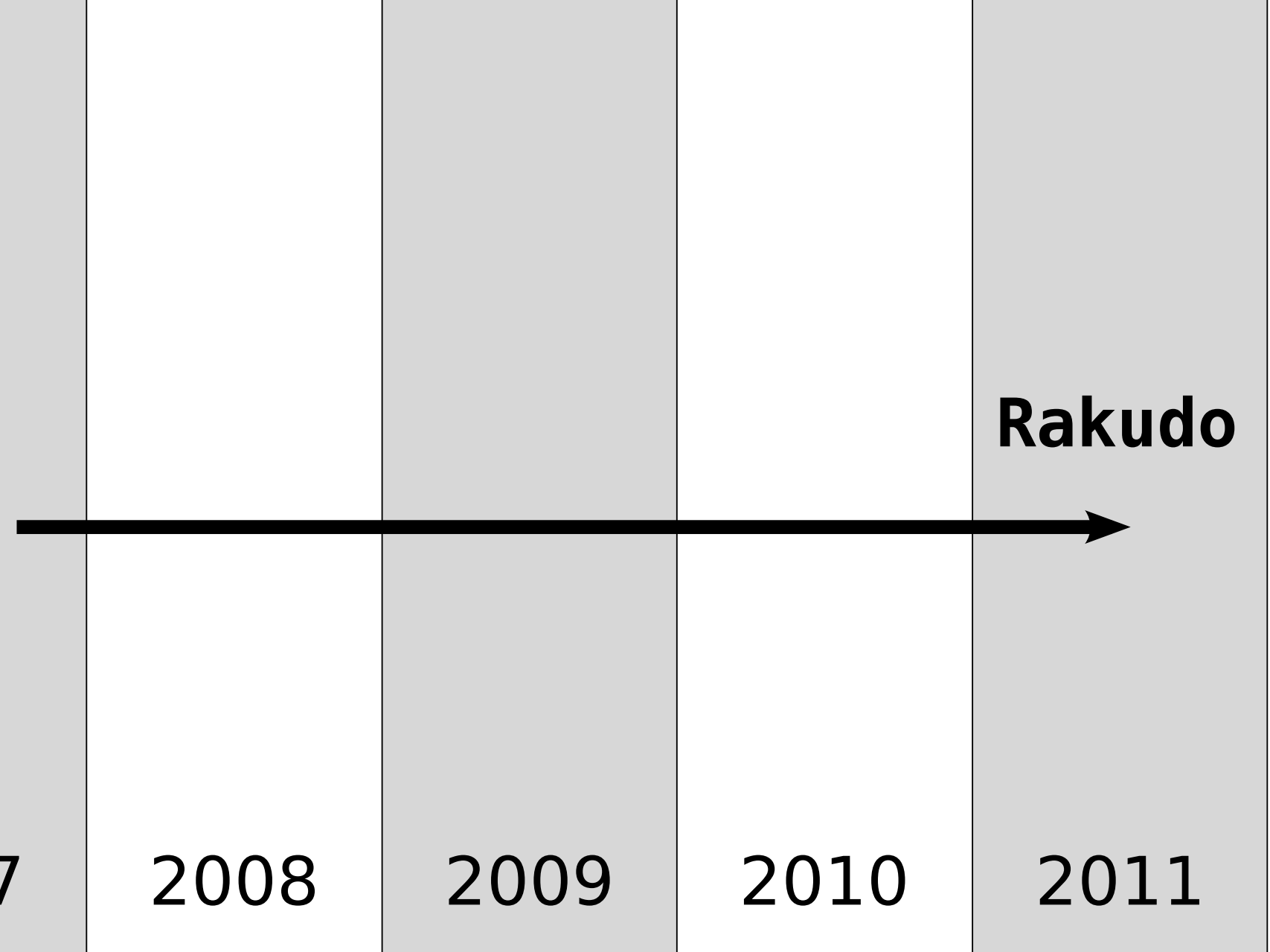
Rakudo

Scalar Array Hash Variables my and our
sub multi sub signatures with types and
defaults classes methods submethods
roles has self is of does handles for loop
repeat while if elsif else unless given
when junctions reduction operators
hyperoperators cross and zip operators
slicing syntax chained operators whatever
star in slices closures currying .arity next
last redo gather/take pointy blocks open
slurpy files try/CATCH ranges min max
minmax m// .trans .subst s/// grammars
.parse pick roll rand list item hash eval
placeholder parameters short-circuiting

by all accounts

Perl 6 is "here"

it's just... une tortue



Rakudo

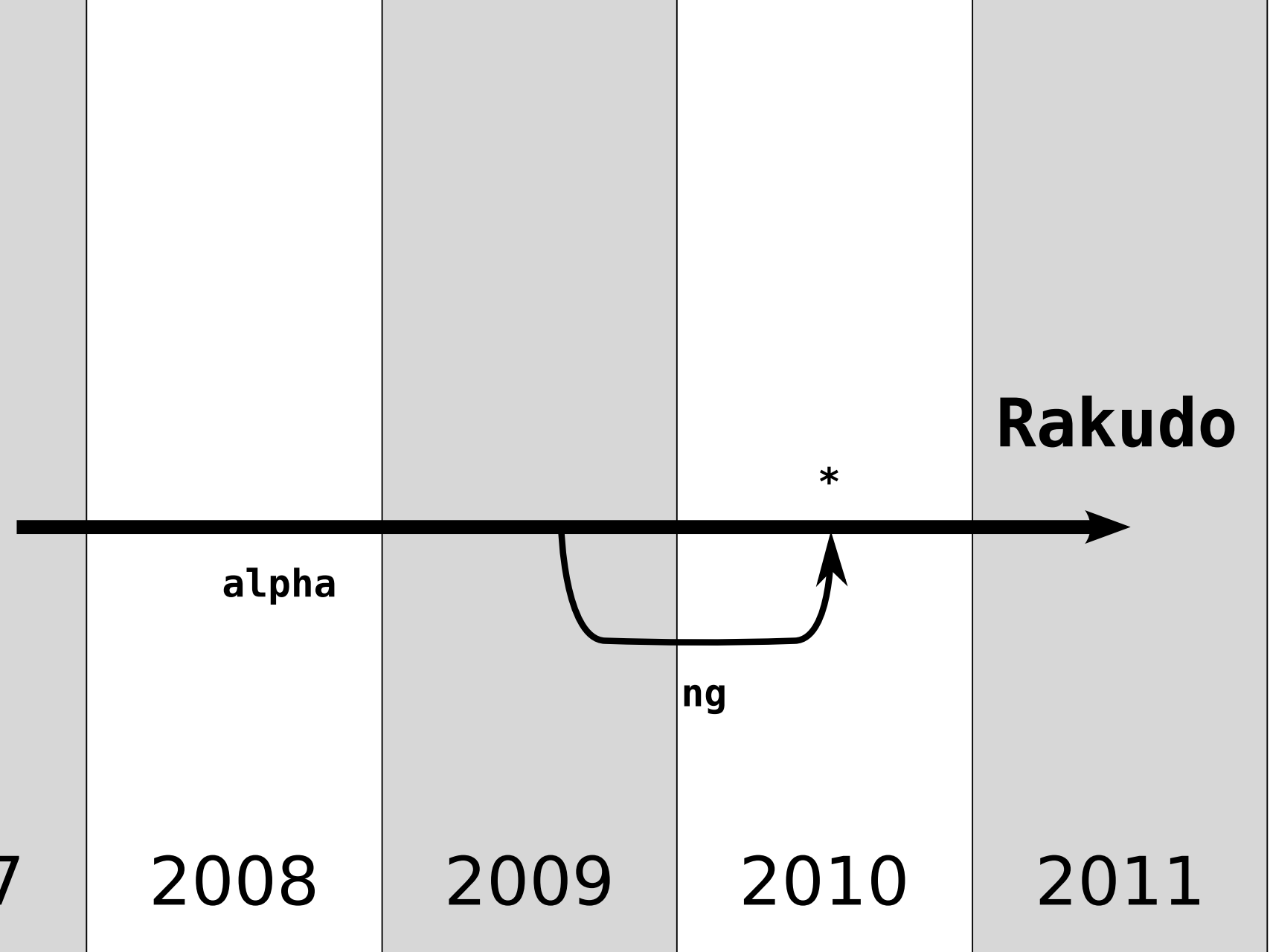
2008

2009

2010

2011

Rakudo *



SO

unlike in 2003

we can build features

but what about speed?

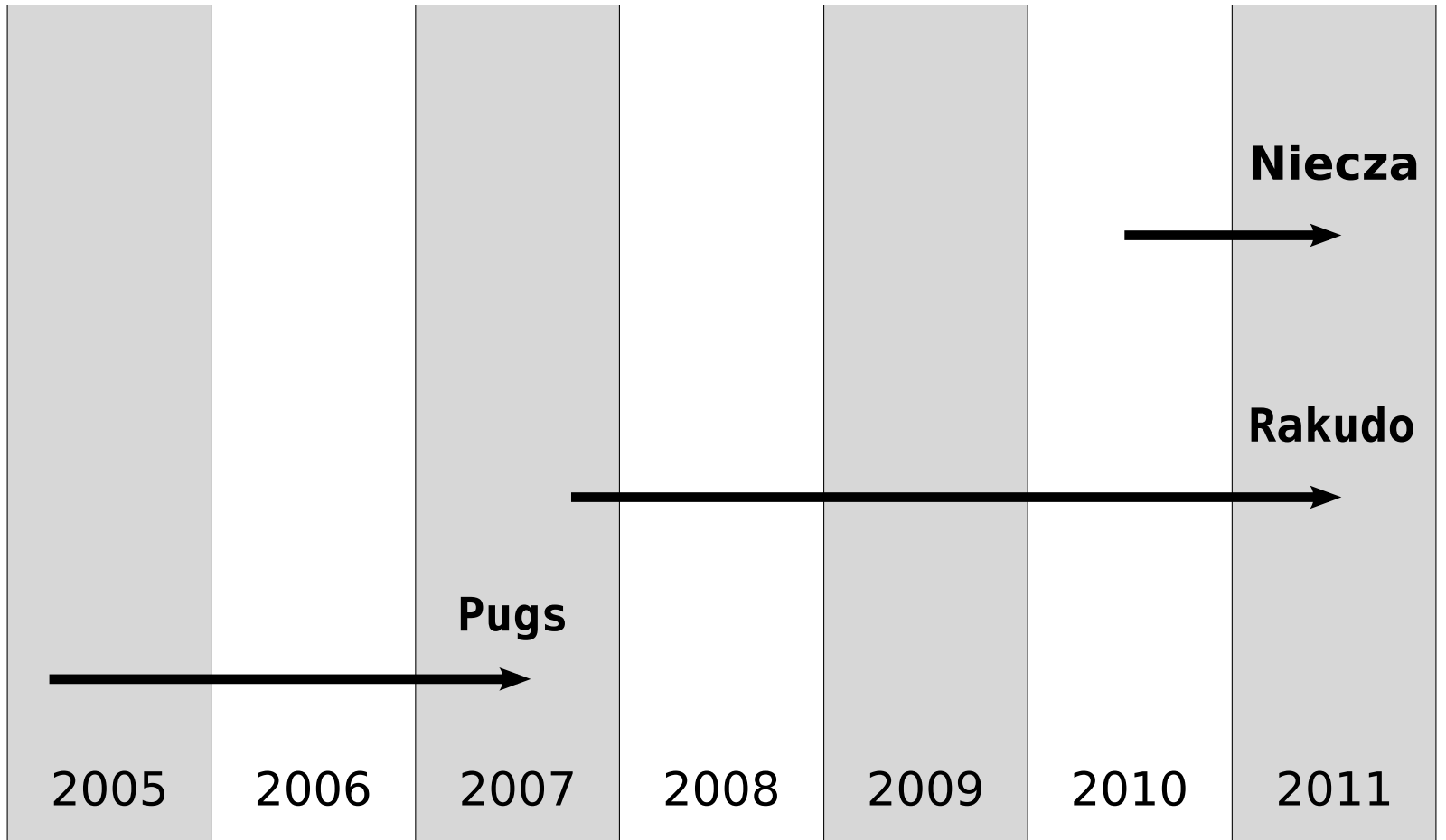
Third fear:

Will Perl 6 ever be performant?

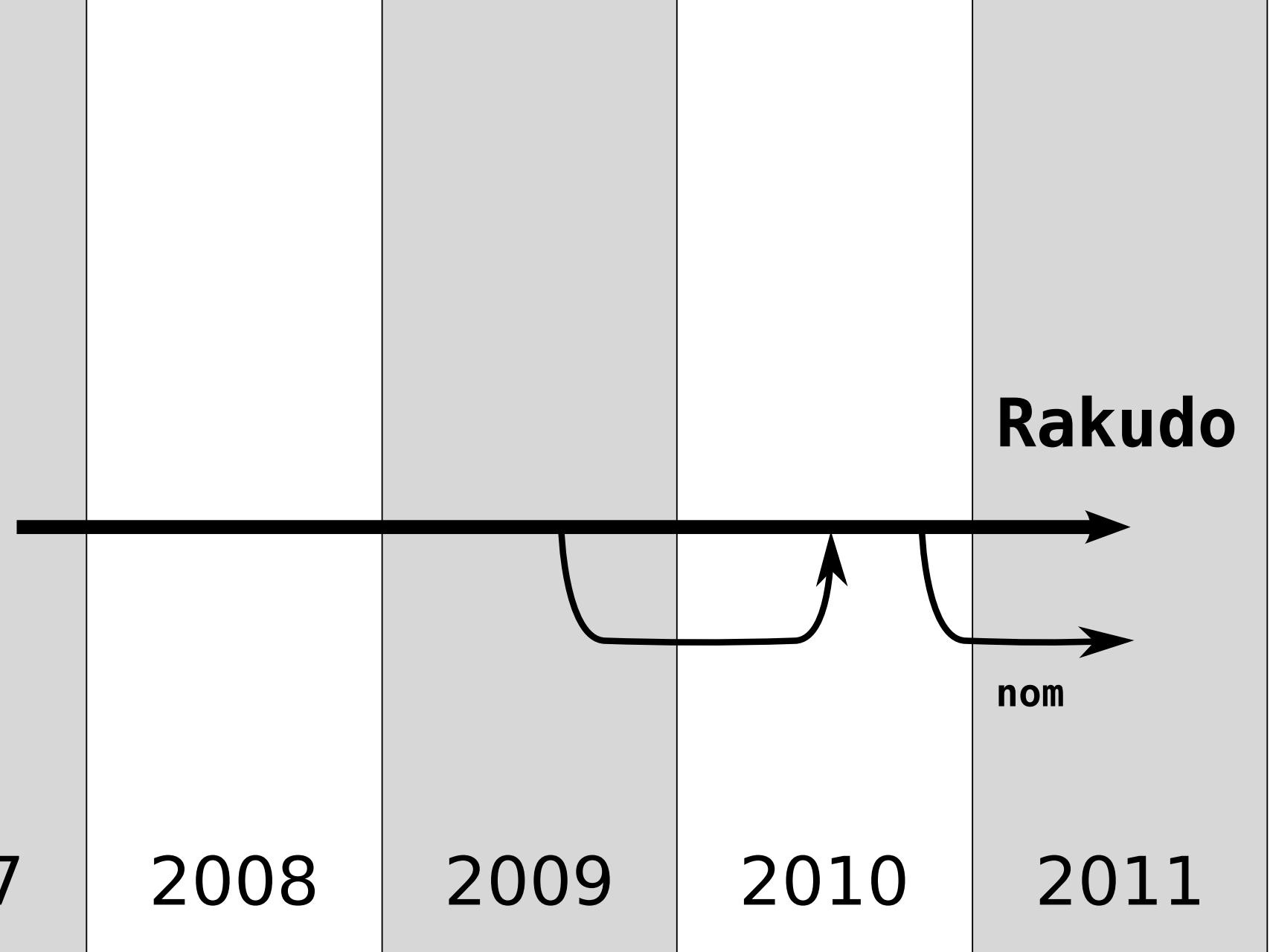
Niecza

one year old

sorear++



nom



Rakudo

nom

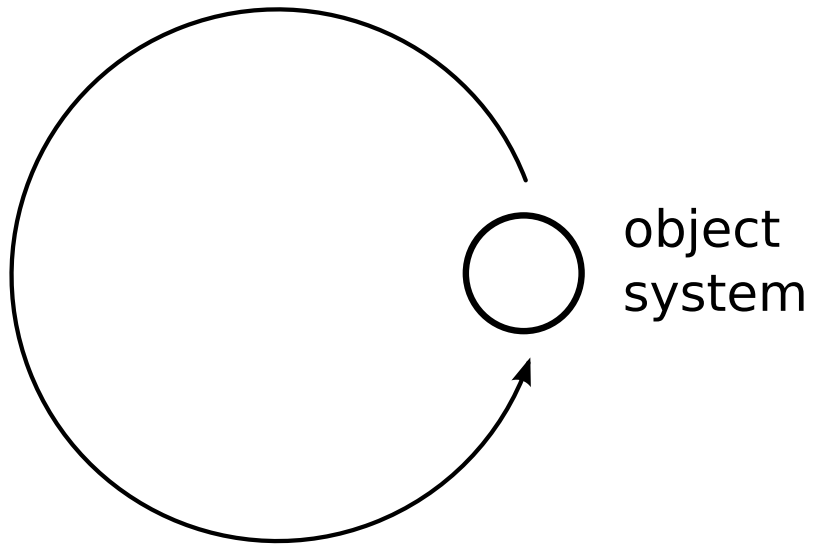
2008

2009

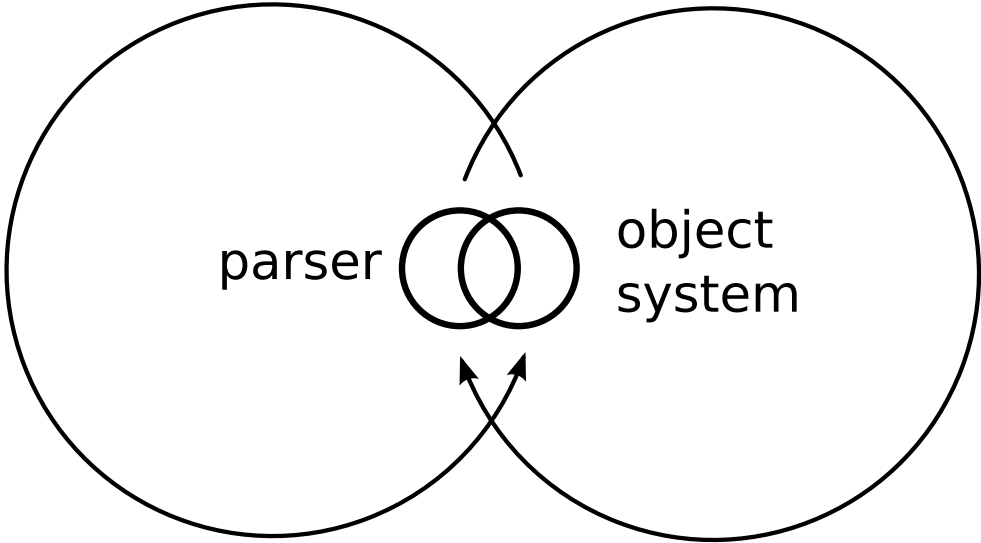
2010

2011

MOP



6model

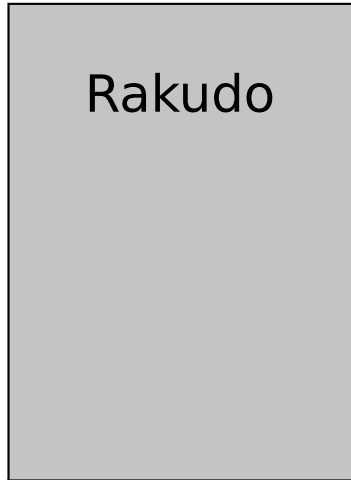


summary

rakudo is shaping up

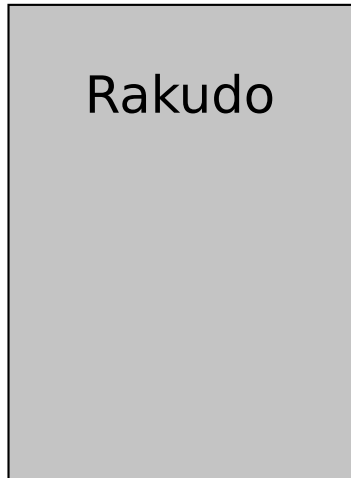
niecza is shaping up

features



speed

features



speed

if you haven't tried Perl 6

this is a good time

for you to

join in

download rakudo or niecza

or both

try it out

and tell us what you think

because

things are about to

get very interesting

merci bcp