

# What Web Developers can Learn from Game Developers

Armin Ronacher for DJUGL June 2013

**Hello, I'm Armin!**

I do Computers – with Python.

Currently at Fireteam / Splash Damage.

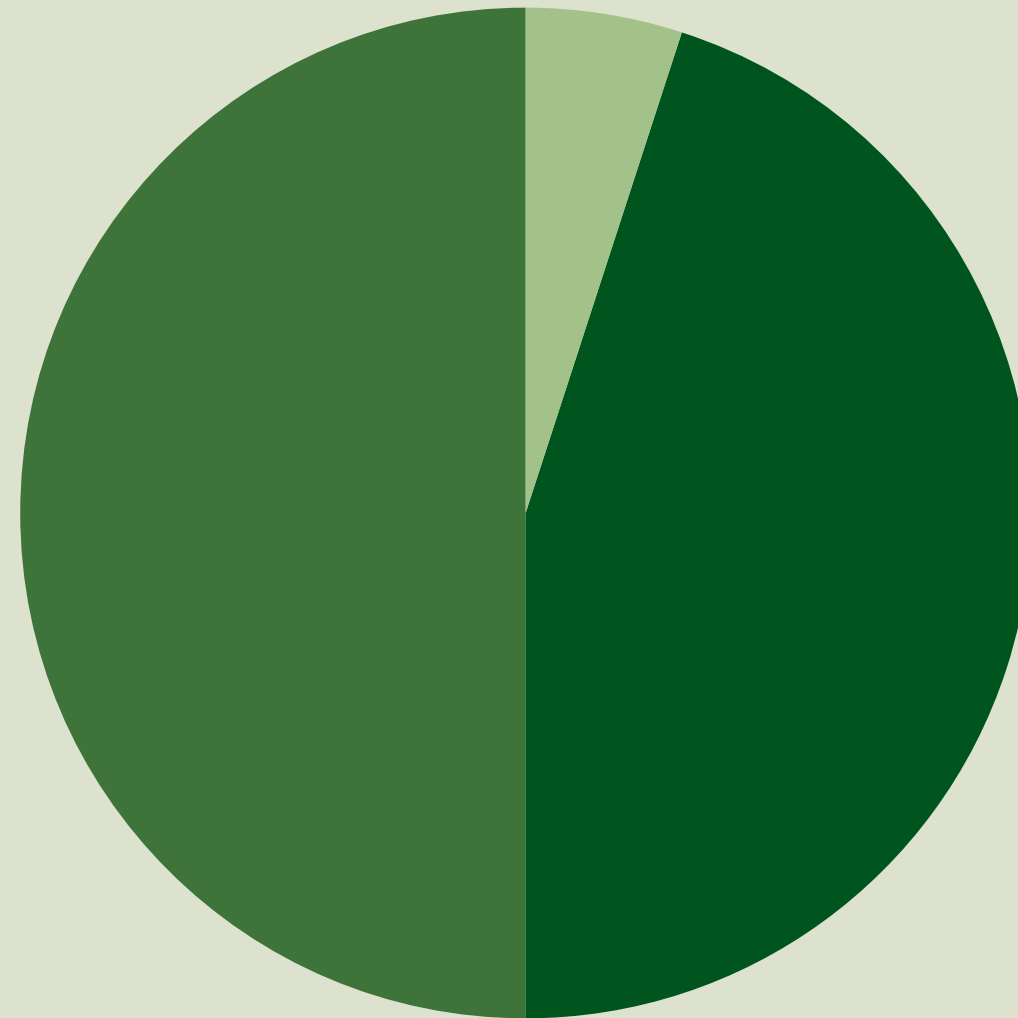
We do Internet for Pointy Shooty Games.



● Web/Backend

● Game/Core-Tech

● Art/Sound

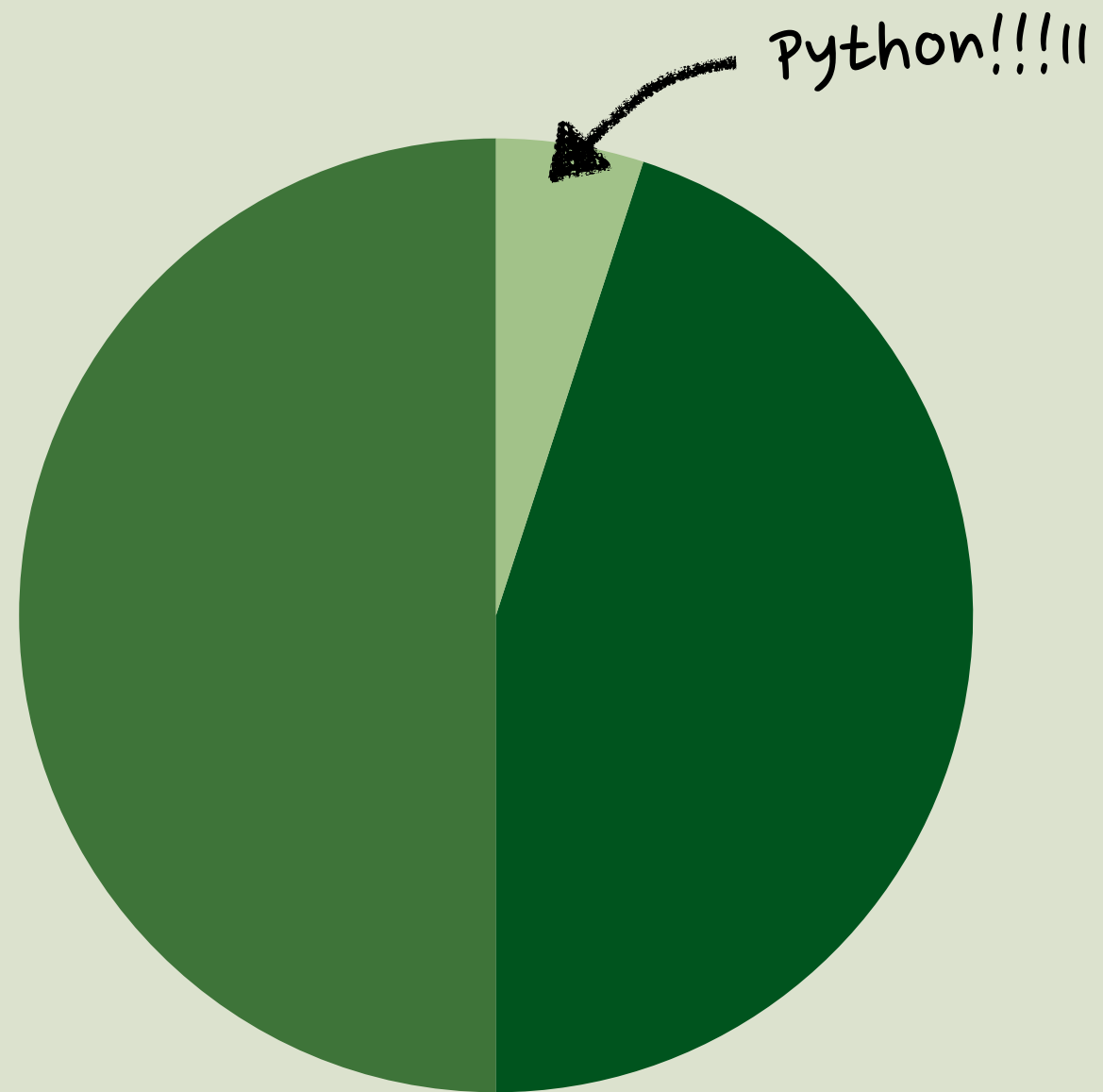


\* this graph is not very scientific

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Why is Python not used in Games?

Slow?

~~Slow?~~

CC&C



# Community & Concurrency

someone starts  
gets successful  
others follow

someone starts  
gets successful  
others follow

*and that's why everybody used PHP*

nobody has been fired for choosing Unreal

60FPS  ~ 16ms

# Each Actor runs a “Thread”

work -> suspend -> wait -> work -> suspend -> work -> ...

The Industry Standard

Lua

C#

*JavaScript*

UNREAL Script

# Playstation 3

256MB + 256MB RAM

3.2 GHz Processor

6 + 1 SPU's



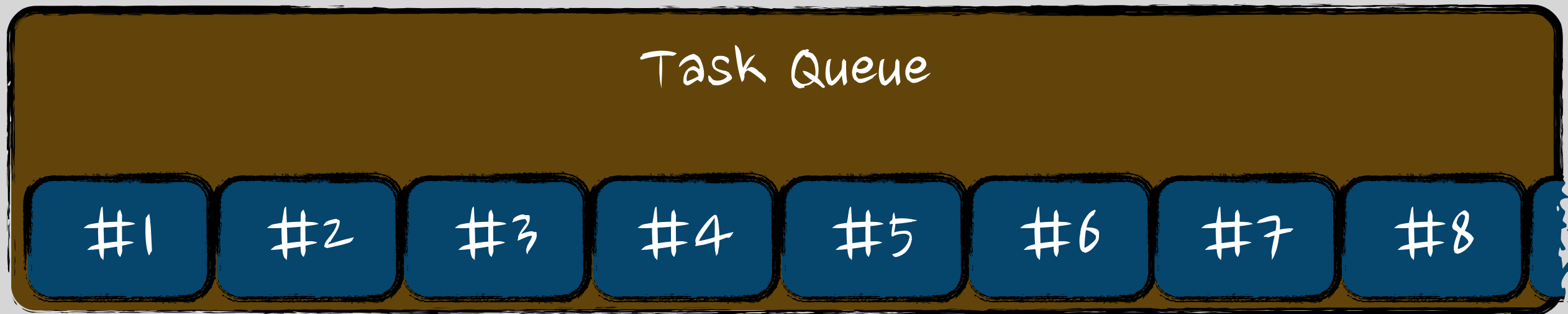
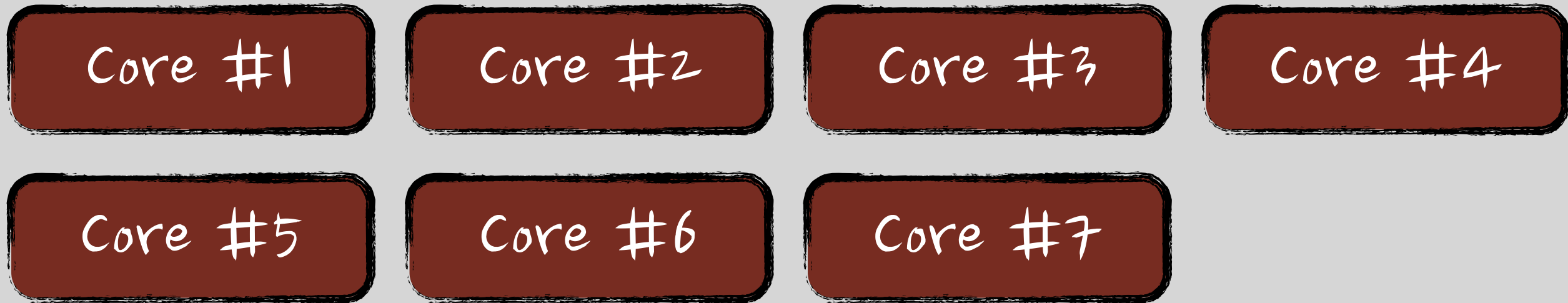
# Playstation 3

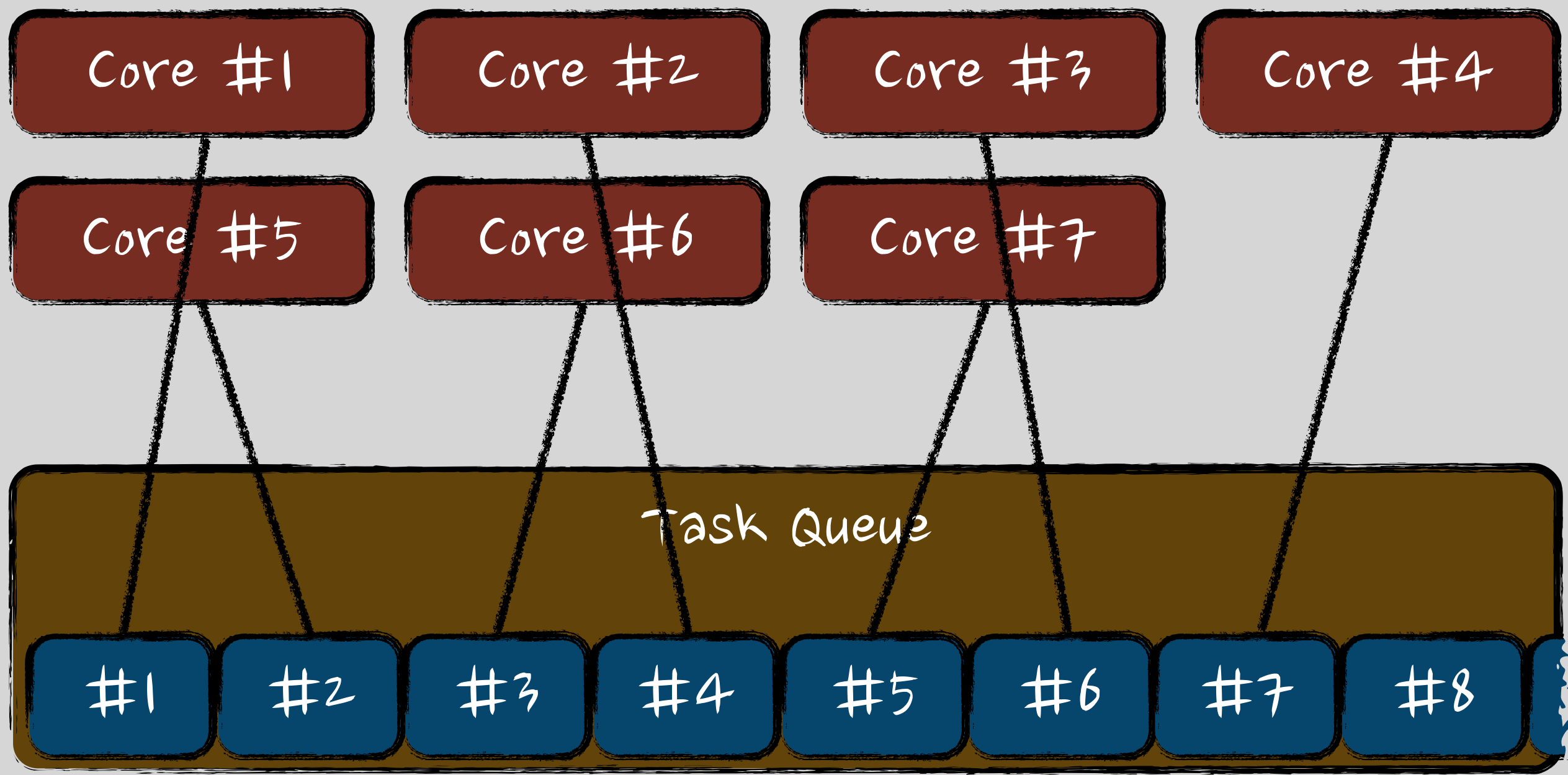
256MB + 256MB RAM

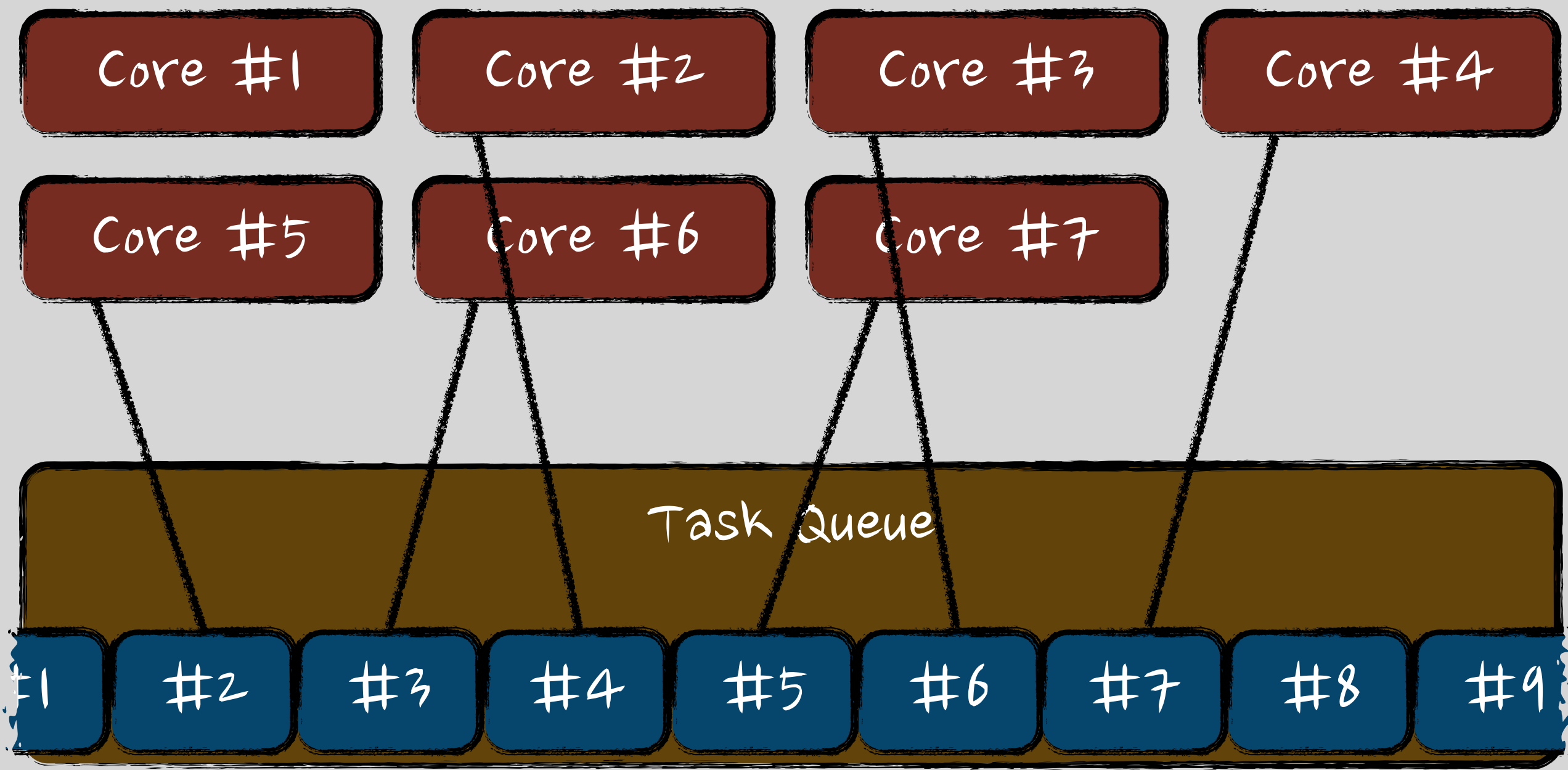
3.2 GHz Processor

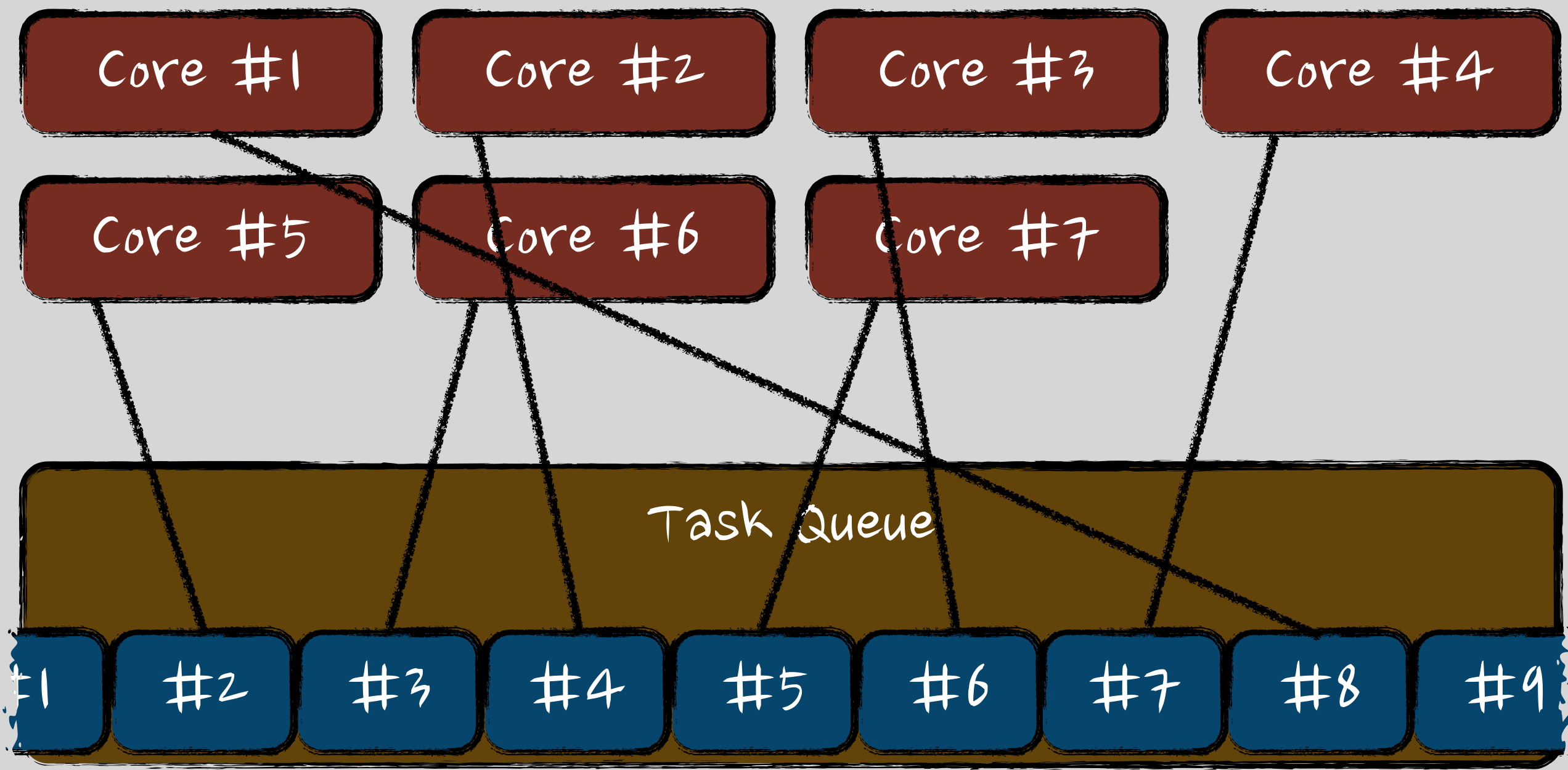
6 + 1 SPU's

*that's not a lot*









What does that have to do with Web?

Remember the Heroku Rap-Genius Incident?

Task Queues >> Random Routing



we do things because others do it too

*and that's not always good :-)*

Python is not going to get better at  
concurrency :-)

Queue all the  
Things!

ALL THE THINGS!

Optimize the right things

Tools are Important

That's it.

Now ask questions.

And add me on twitter: @mitsuhiko

Like my work? [gittip.com/mitsuhiko](https://gittip.com/mitsuhiko)

Slides at [lucumr.pocoo.org/talks](https://lucumr.pocoo.org/talks)

