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roulette

"monetizing websites by harnessing compute — ad free"

ads suck.

so what if we harnessed users' spare computational power to do something worth money?
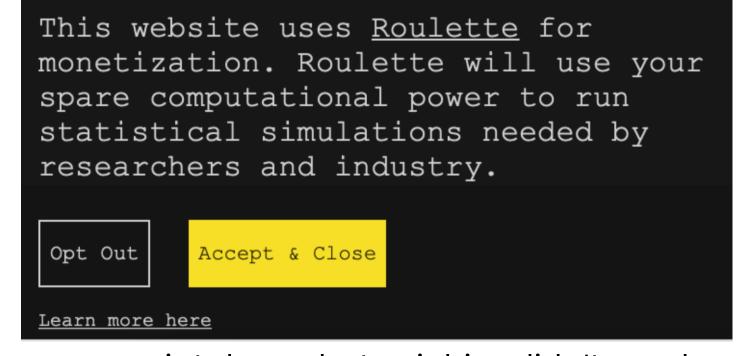
coinhive tried...

they used the compute to mine crypto. but:
- crypto isn't really the best use of our energy
- coinhive didn't implement proper consent and security measures

my turn!

```
<script src="https://cdn.jsdelivr.net/gh/anshll/roulette@main/
roulette.js"></script>
```

- run "embarrassingly parallel" problems (ez to distribute across many computers)
- one such problem is a Monte Carlo simulation (Statistical method used in ALL fields)
- Insert Script -> Runs Fast WASM w/ Multithreading -> Compiles Results -> Get Paid!

```
This website uses Roulette for
monetization. Roulette will use your
spare computational power to run
statistical simulations needed by
researchers and industry.

   Opt Out      Accept & Close

Learn more here
```

my script does what coinhive didn't -- ask permission! also, if users opt out -- we can show ads instead

next steps:

UIDs for each website | better security | faster runtimes | deployment/scaling | other easily parallelizable problems | workflow/library for running your own simulations on roulette