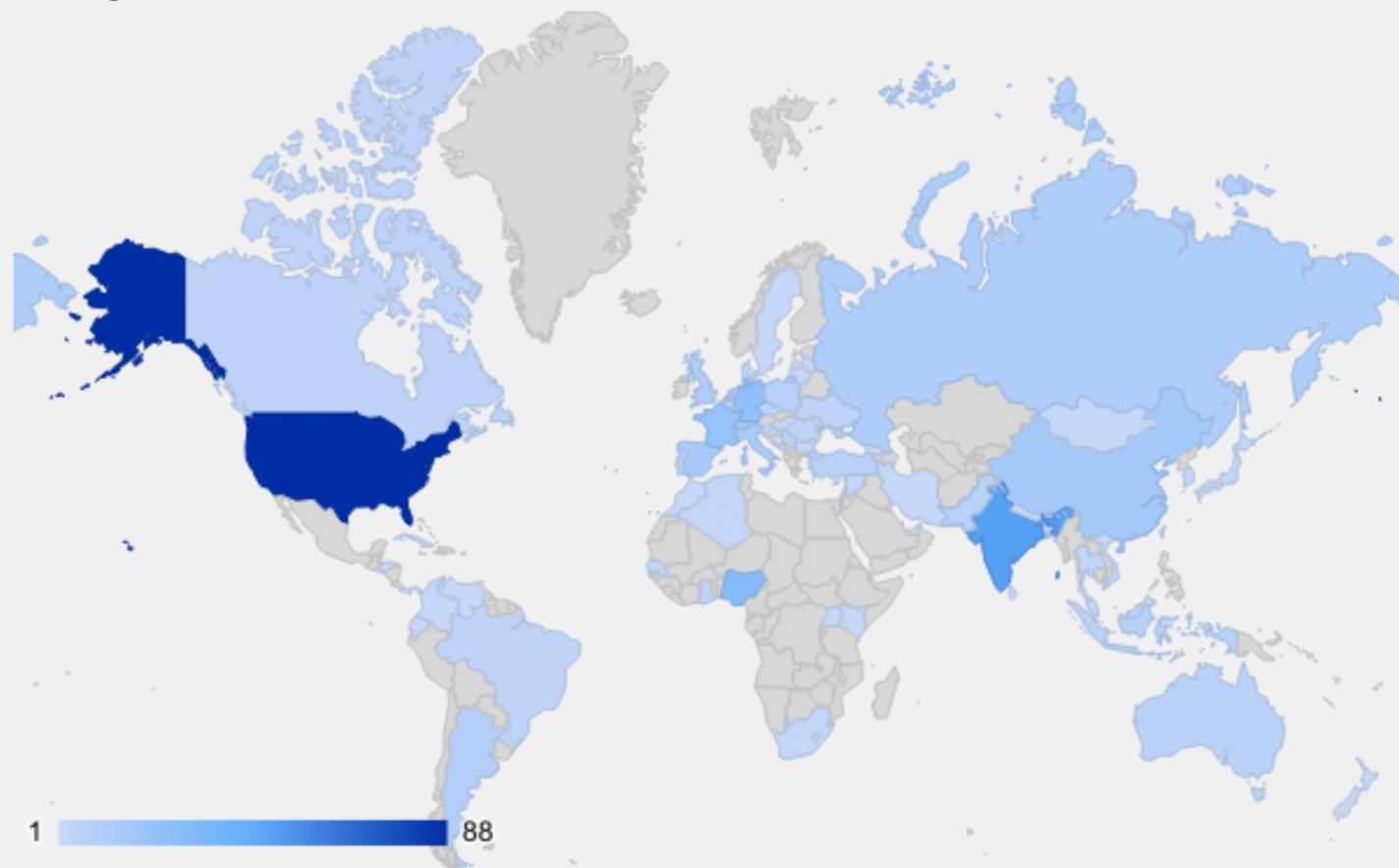
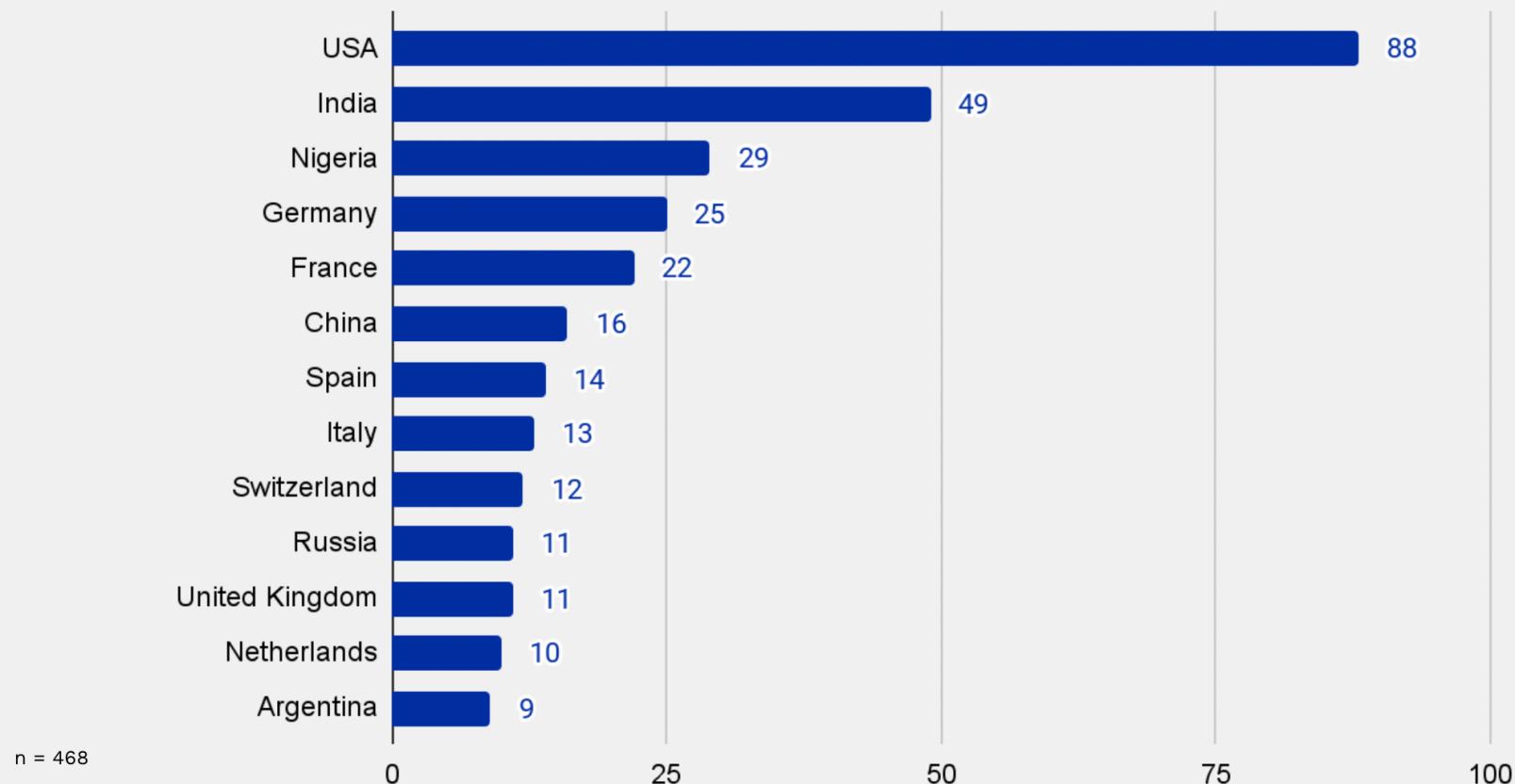


# **Solidity Slides**

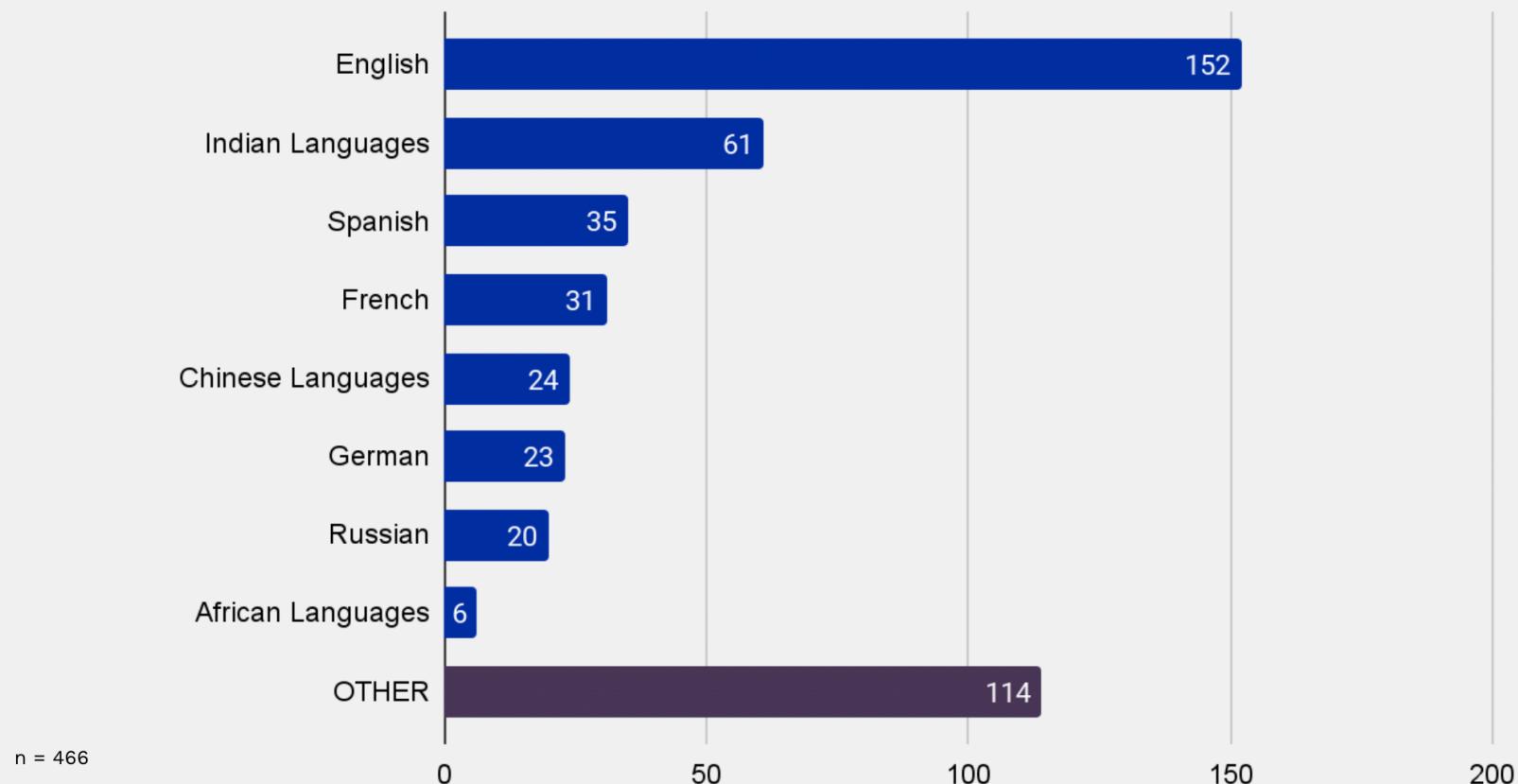
## Where do you live?



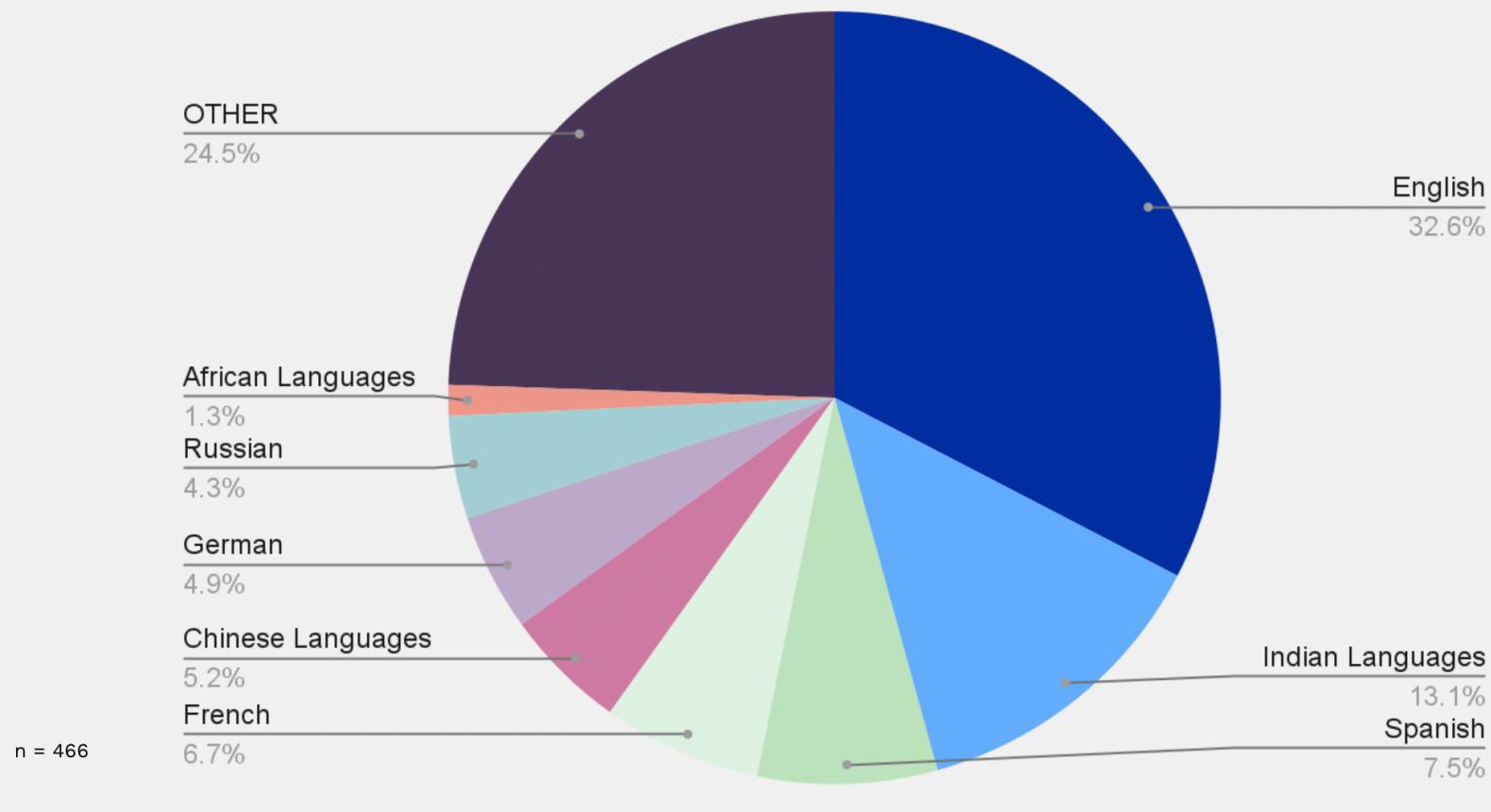
## Where do you live?



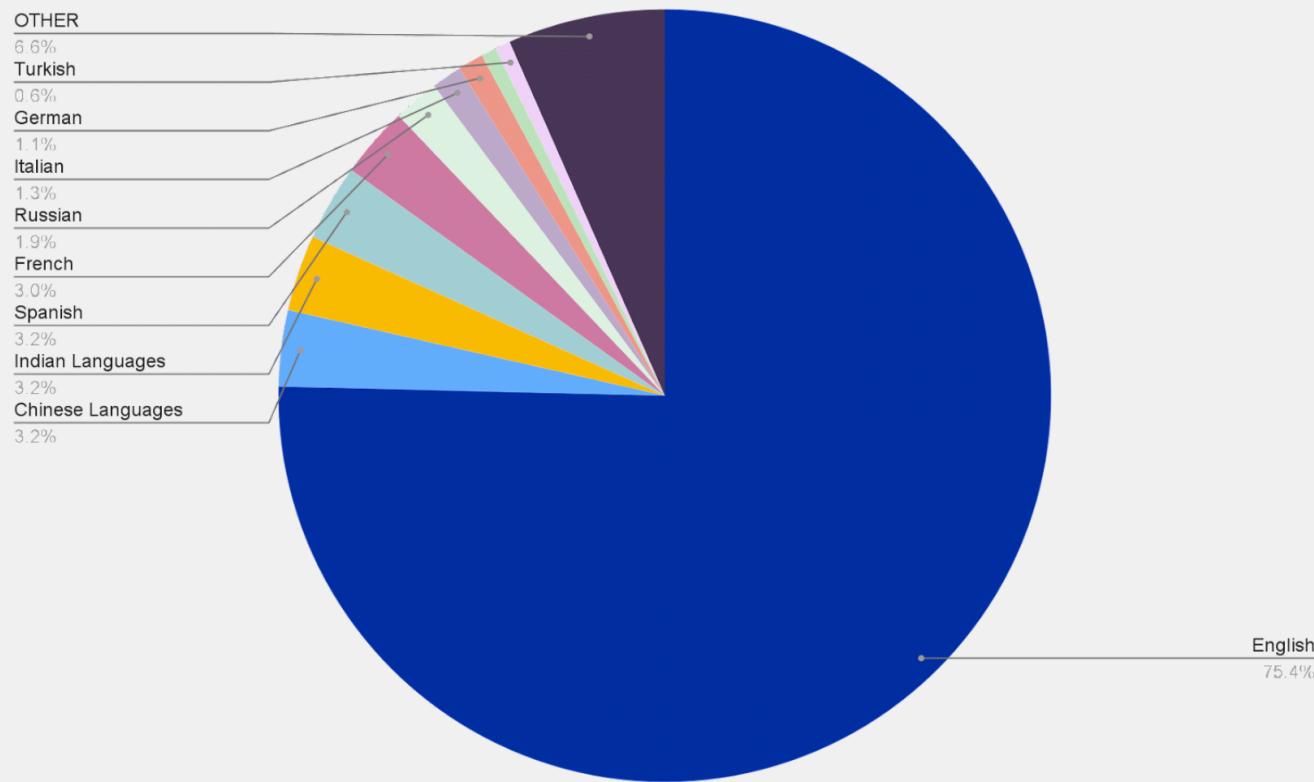
## What's your native language?



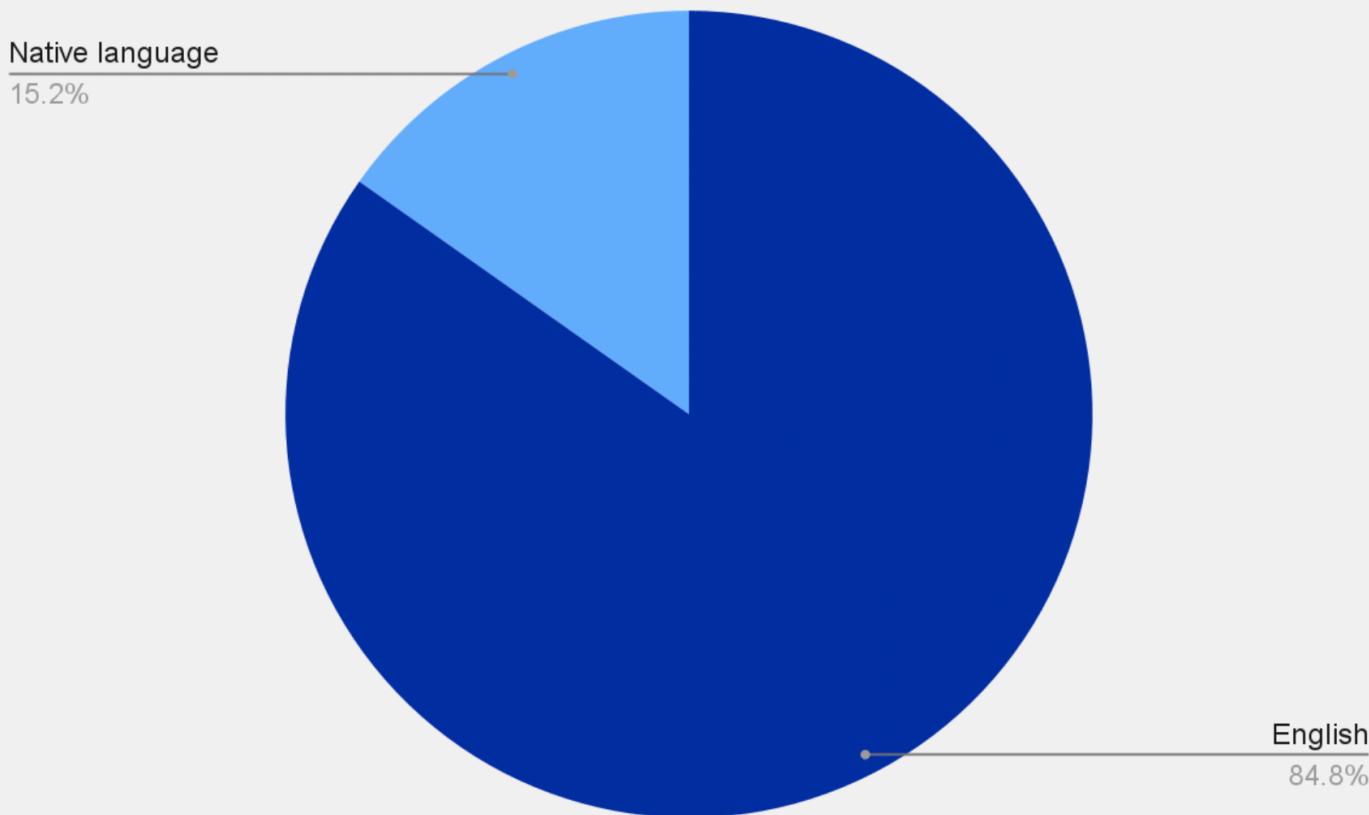
## What's your native language?

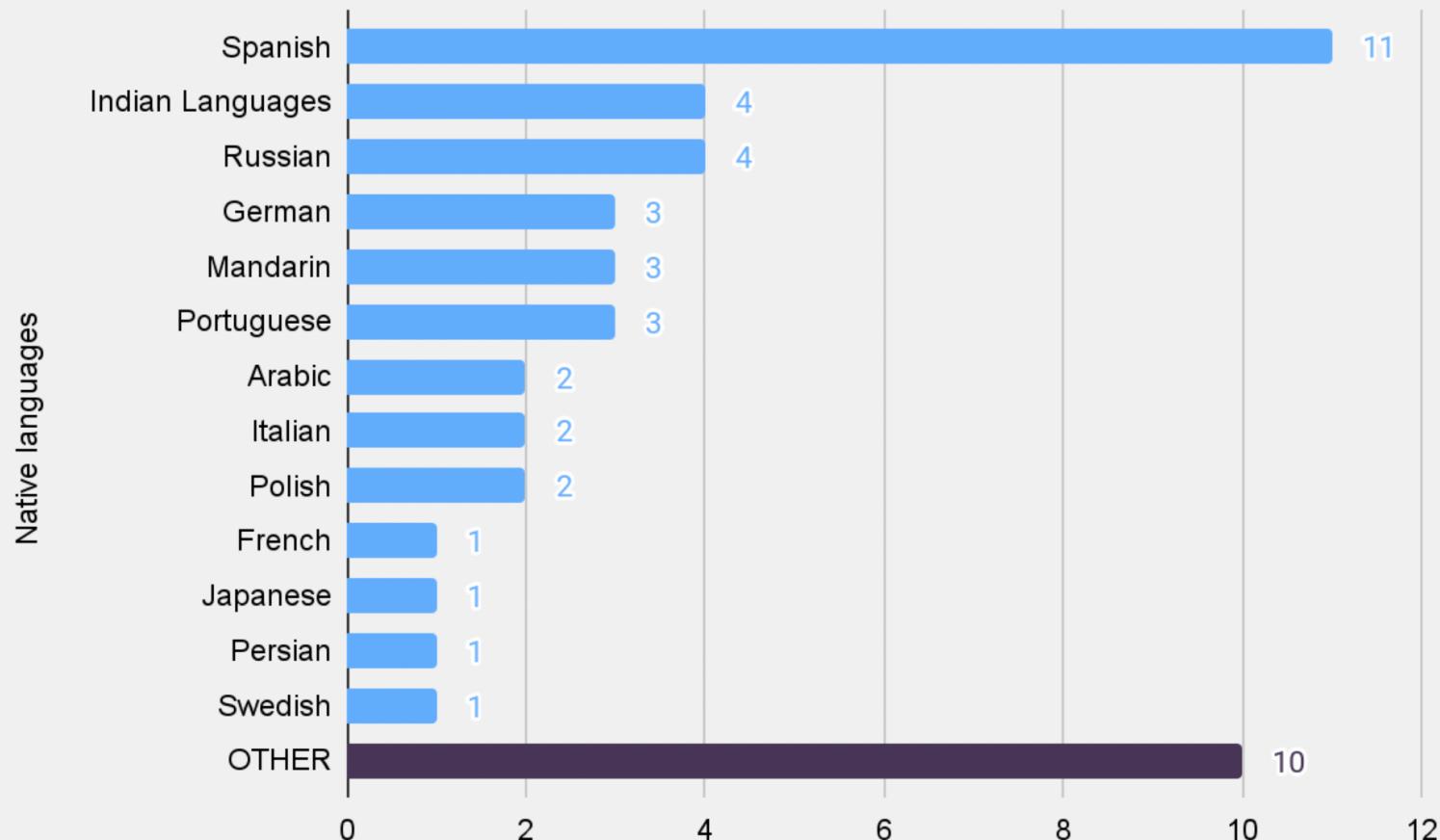


## Which language do you speak predominantly at work?



## Would you prefer reading the Solidity documentation in your native language or English?

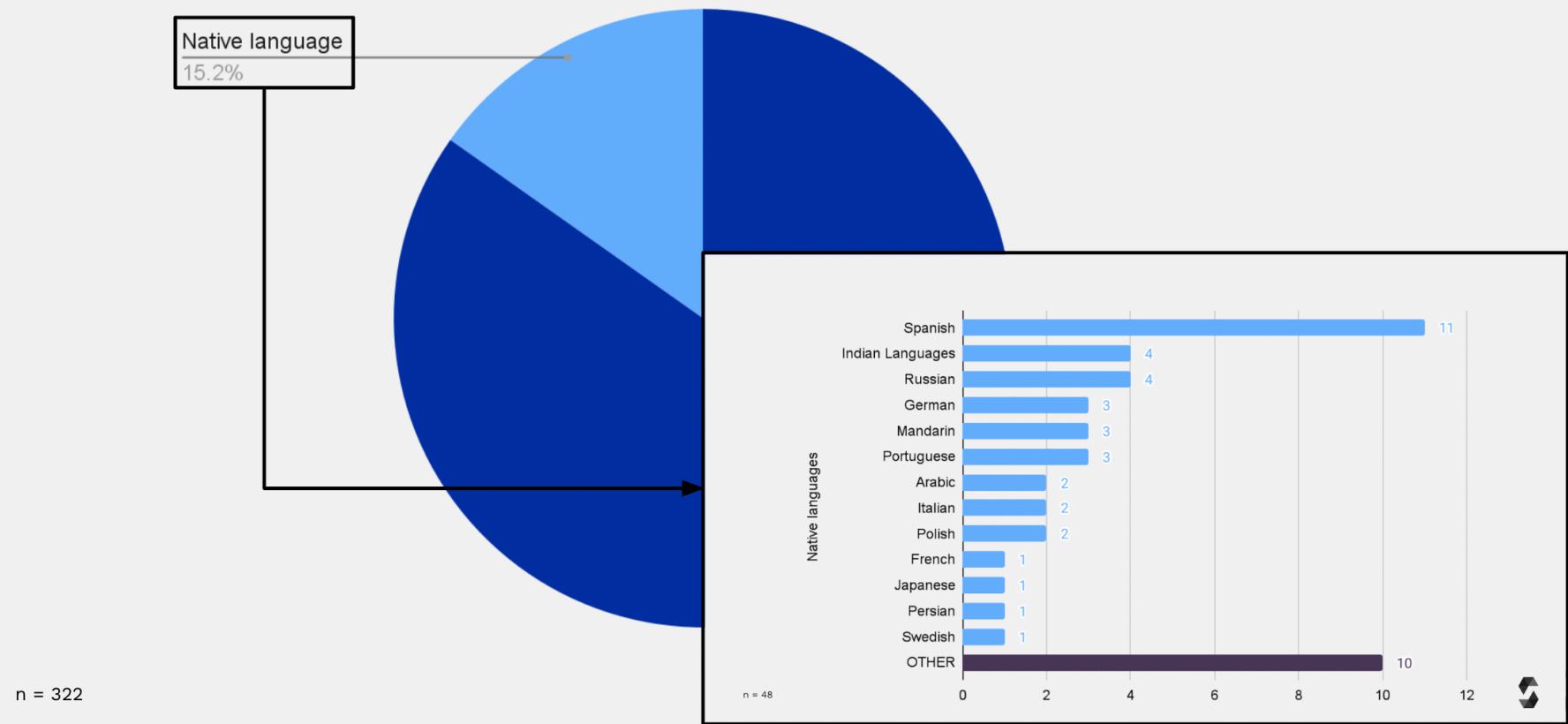




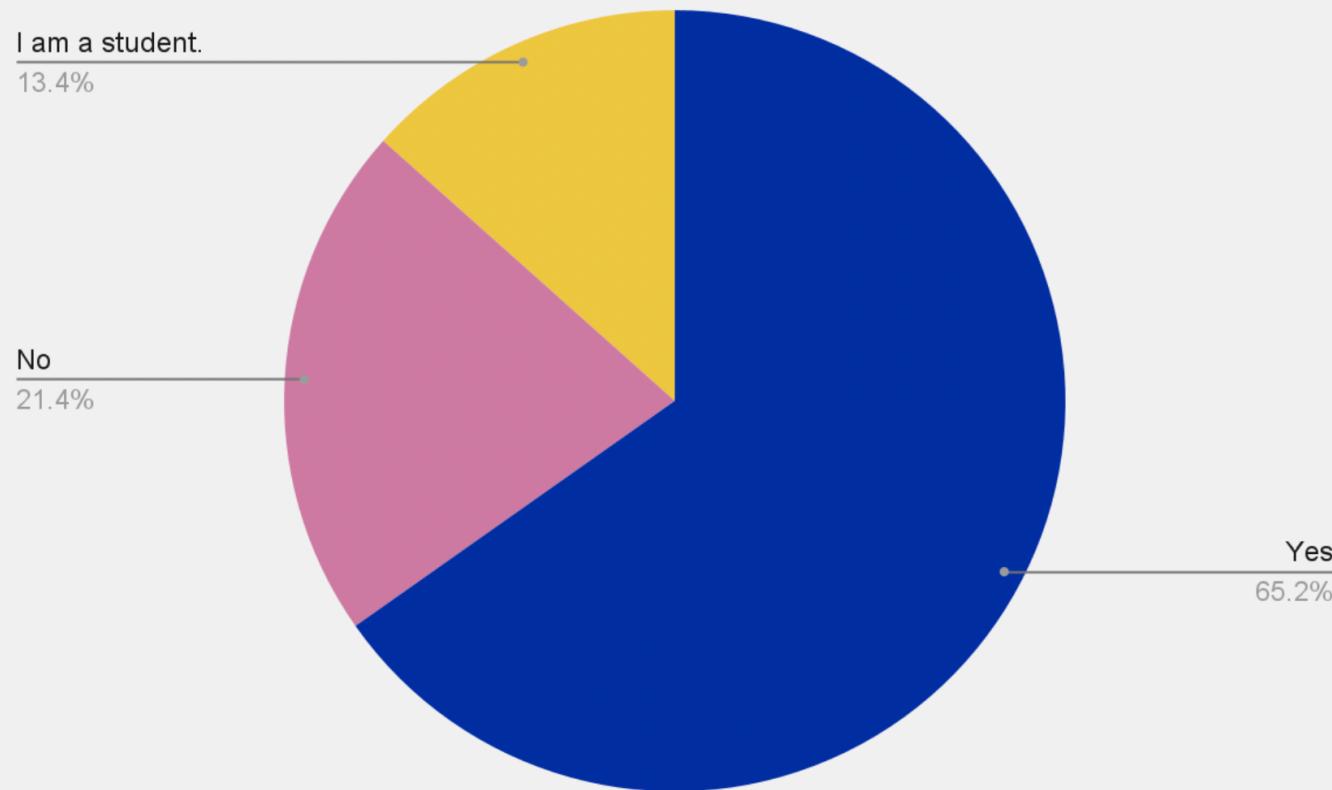
n = 48



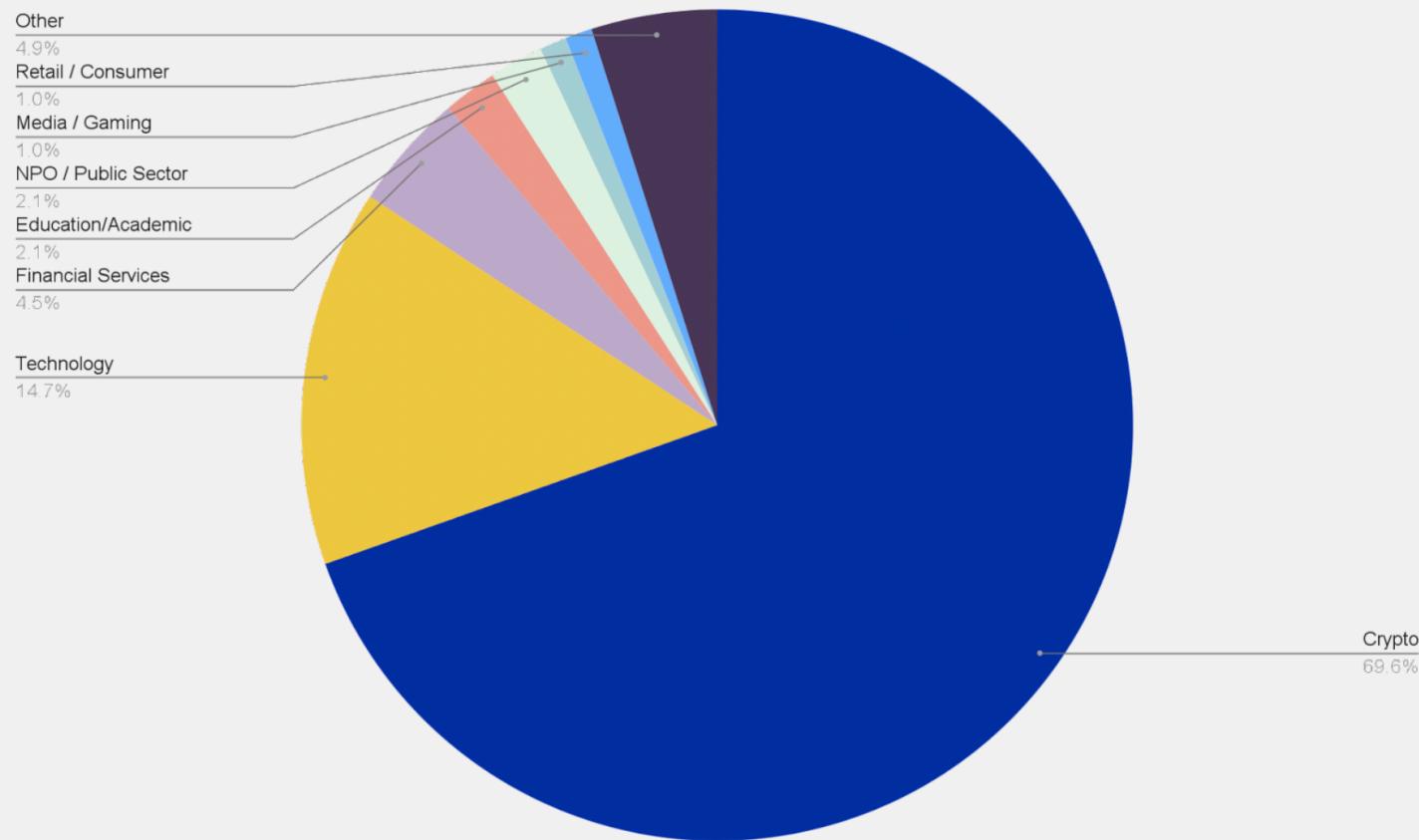
## Would you prefer reading the Solidity documentation in your native language or English?



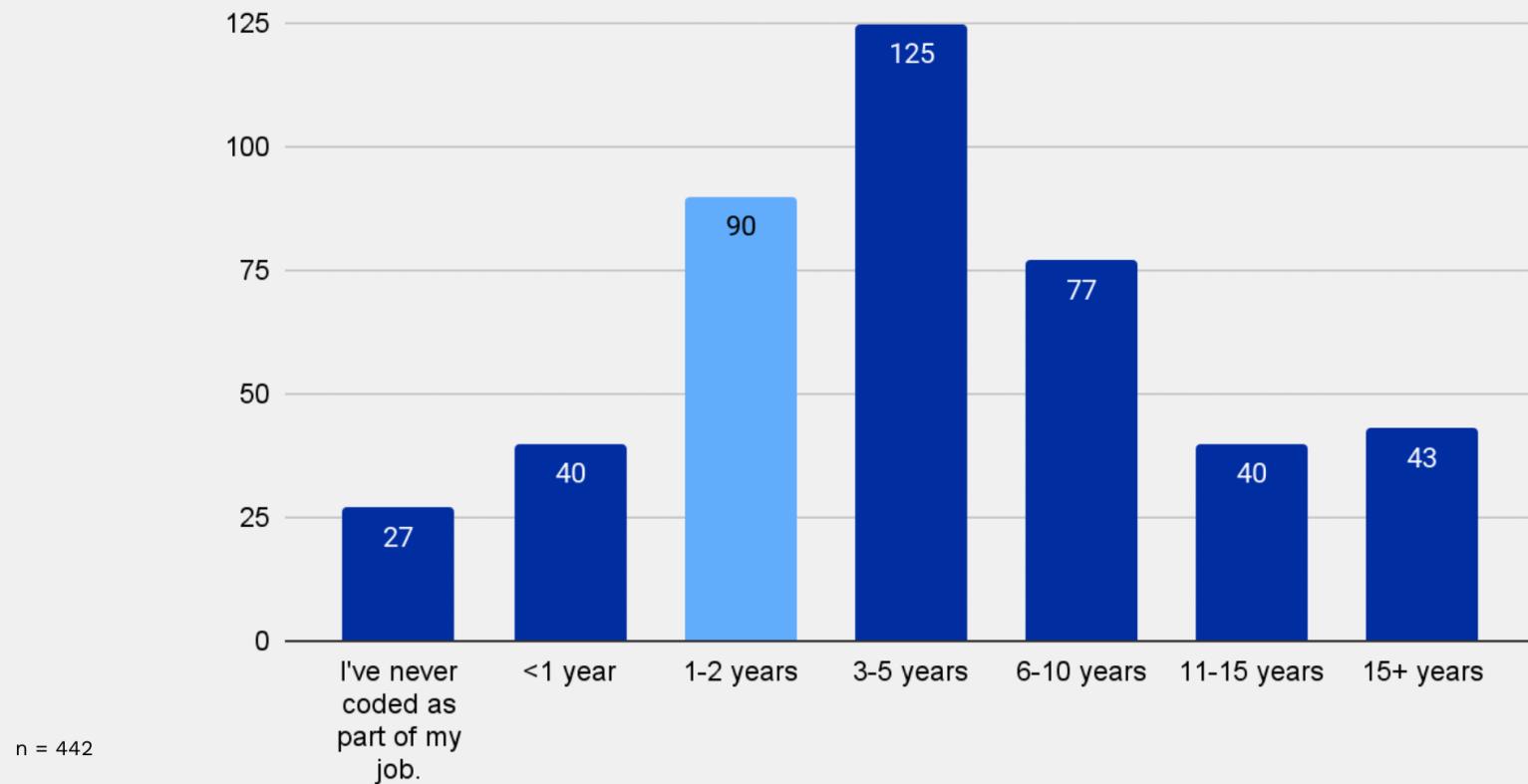
## **Are you currently employed?**



## What industry do you work in?



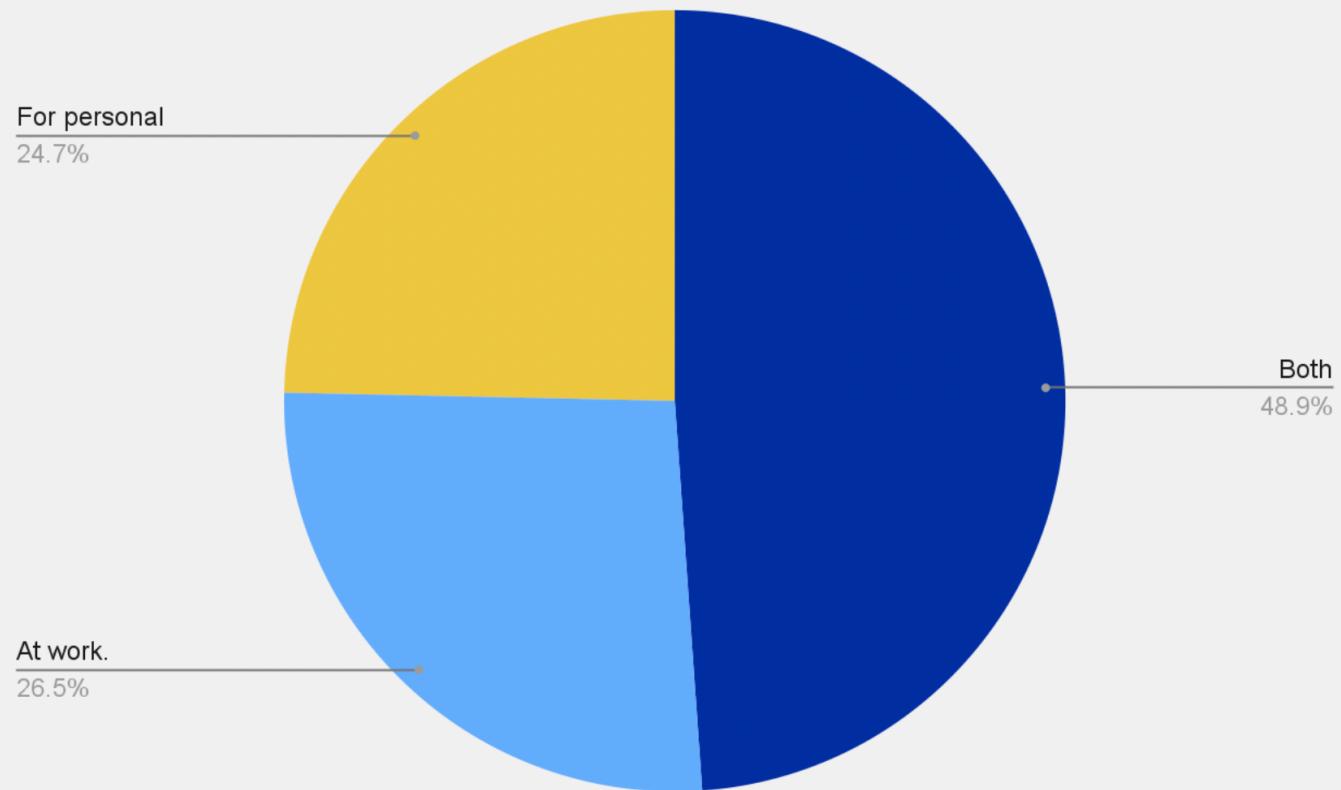
## How many years have you coded professionally (as part of your work) in any language?



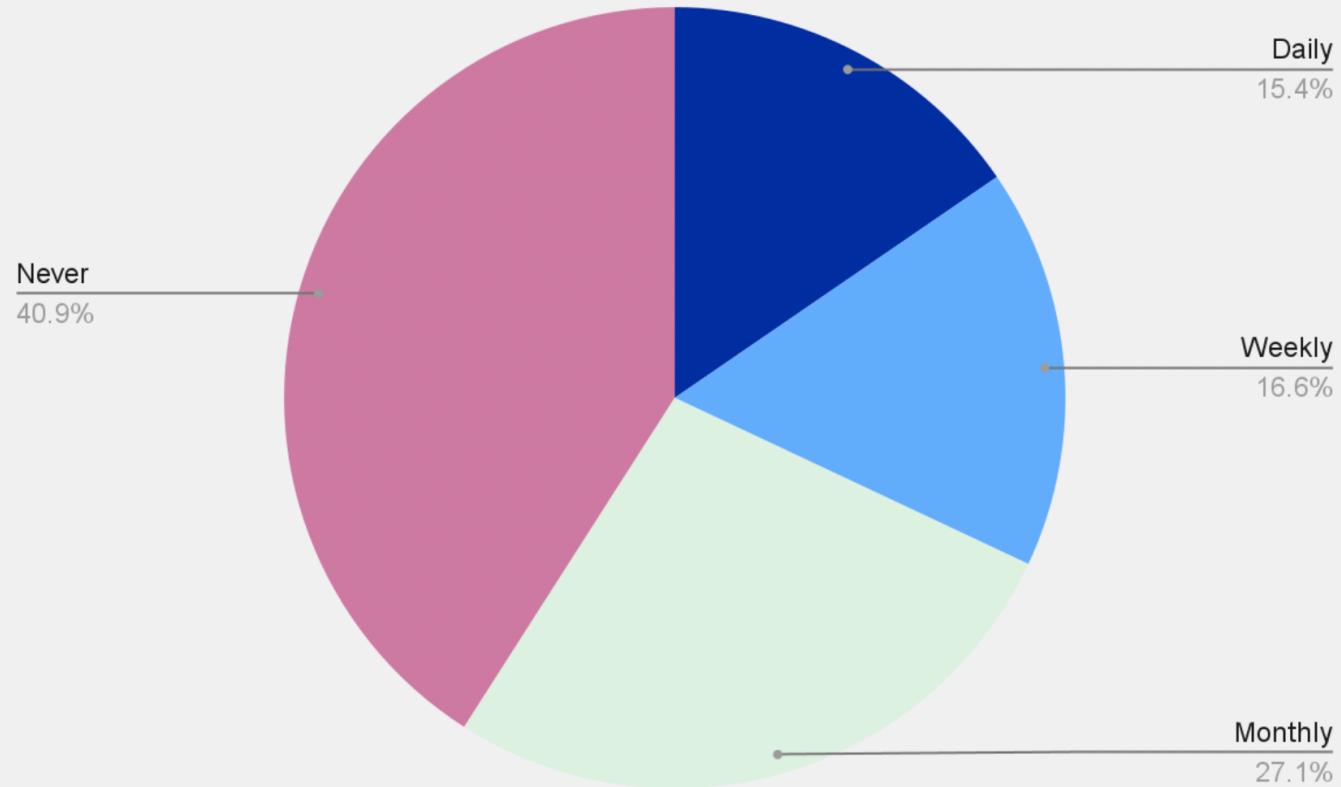
n = 442



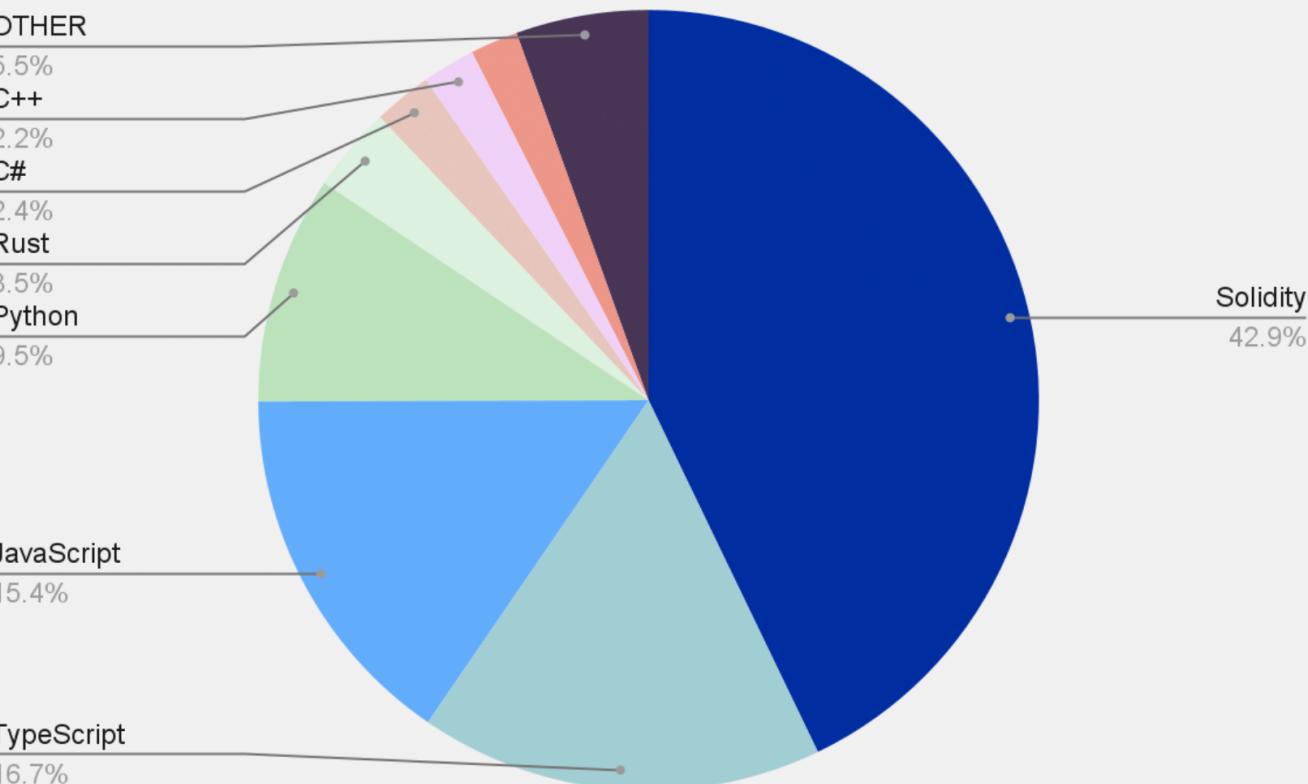
## When do you use Solidity?



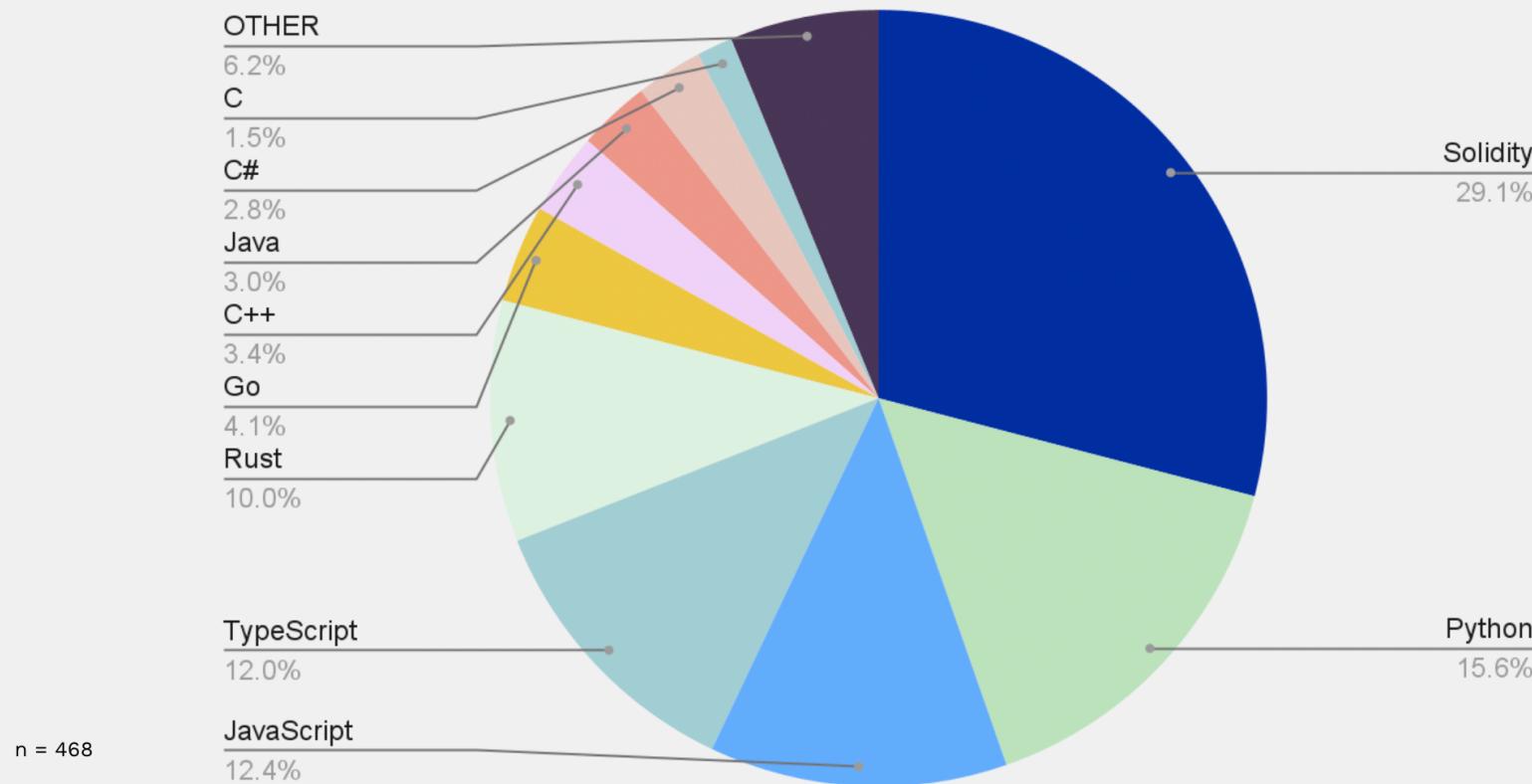
## How frequently do you contribute to open source projects written in Solidity?



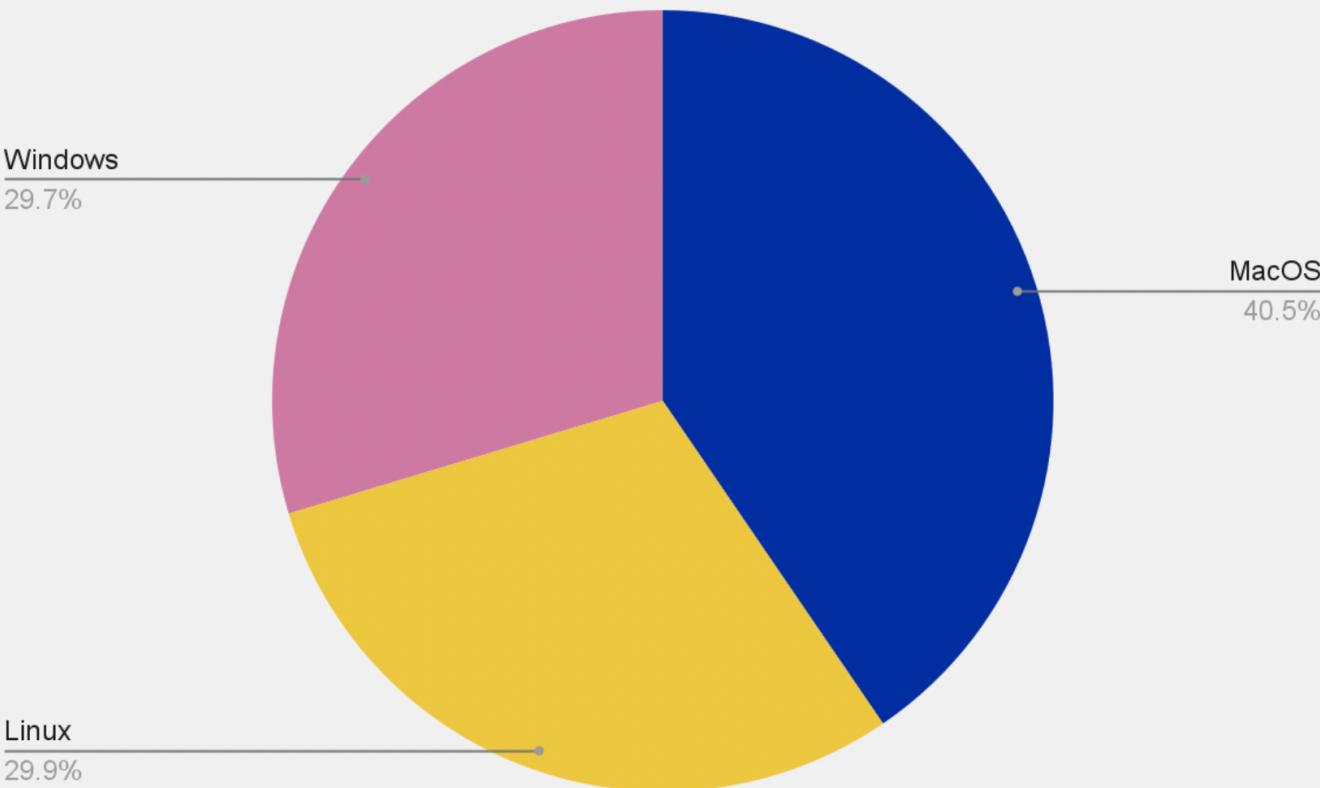
## Which programming language do you use the most?



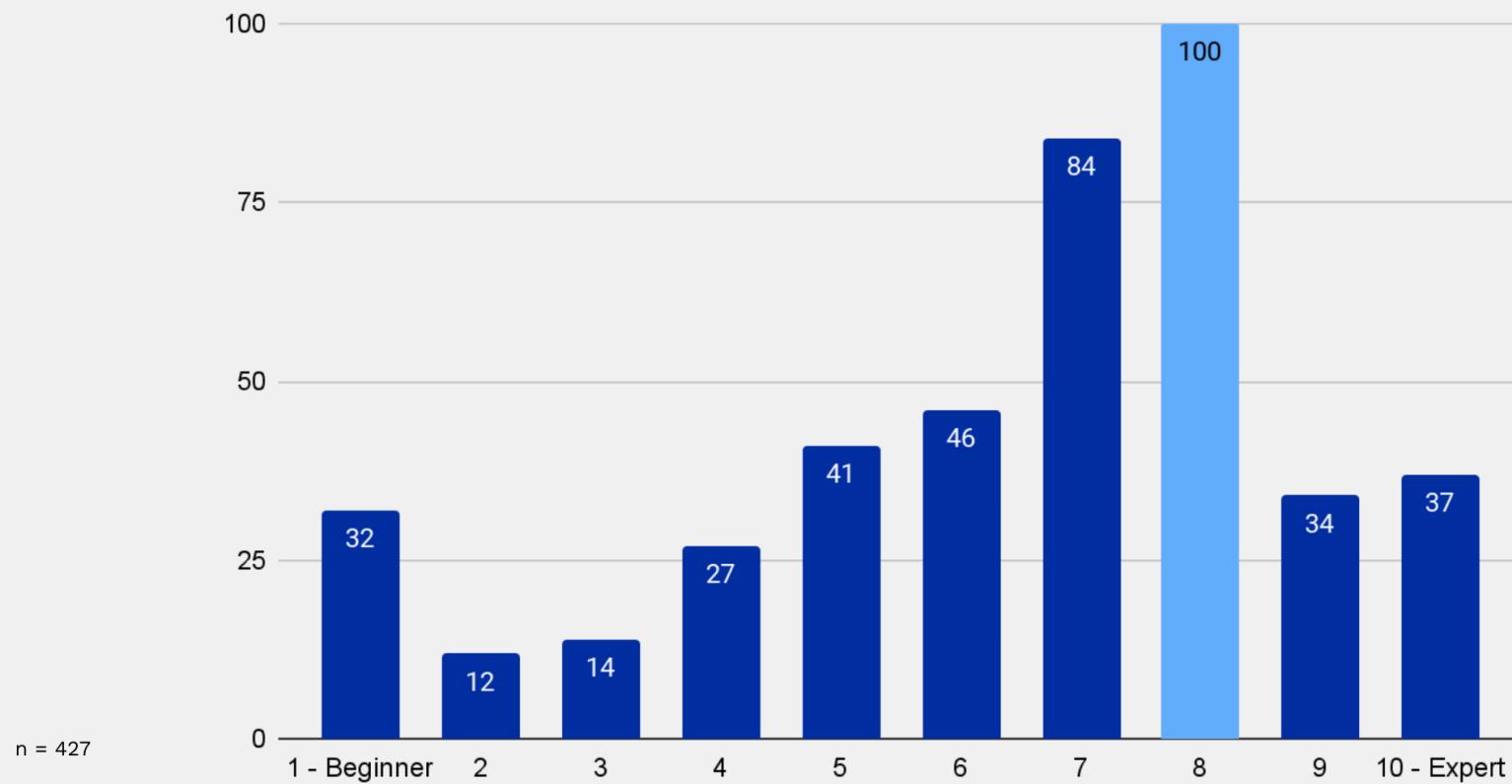
# What's your favorite programming language?



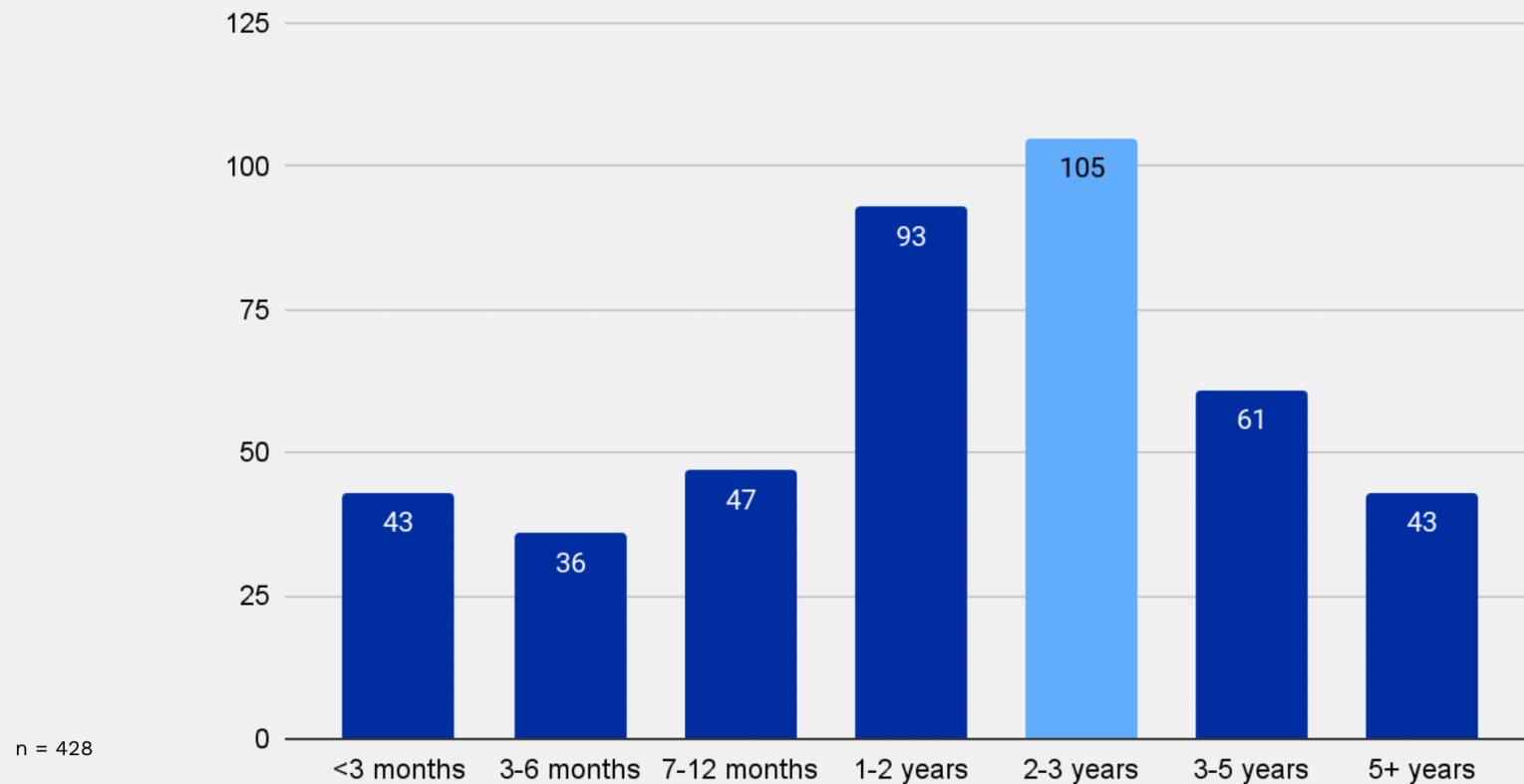
## Which Operating System do you use predominantly?



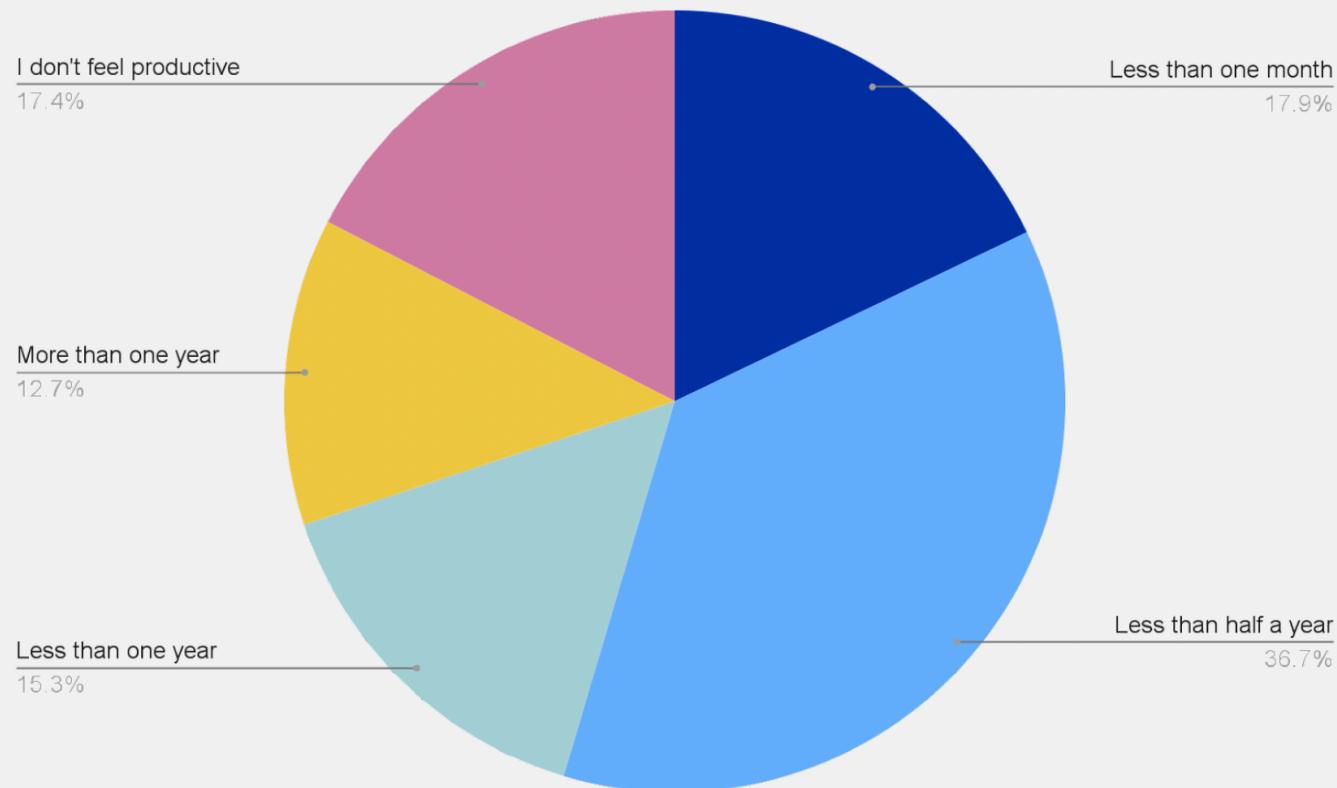
## On a scale of 1 - 10, how would you rate your Solidity expertise?



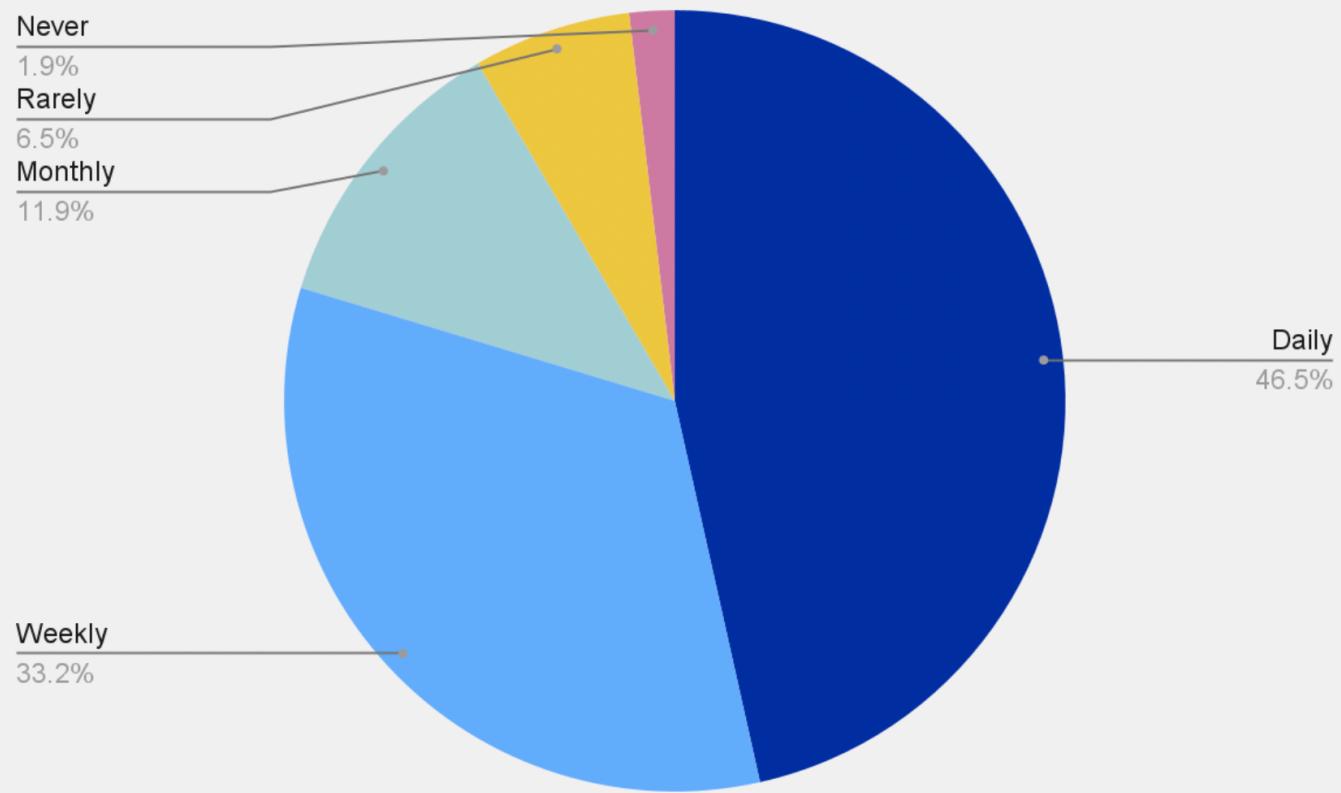
## How long have you been using Solidity for?



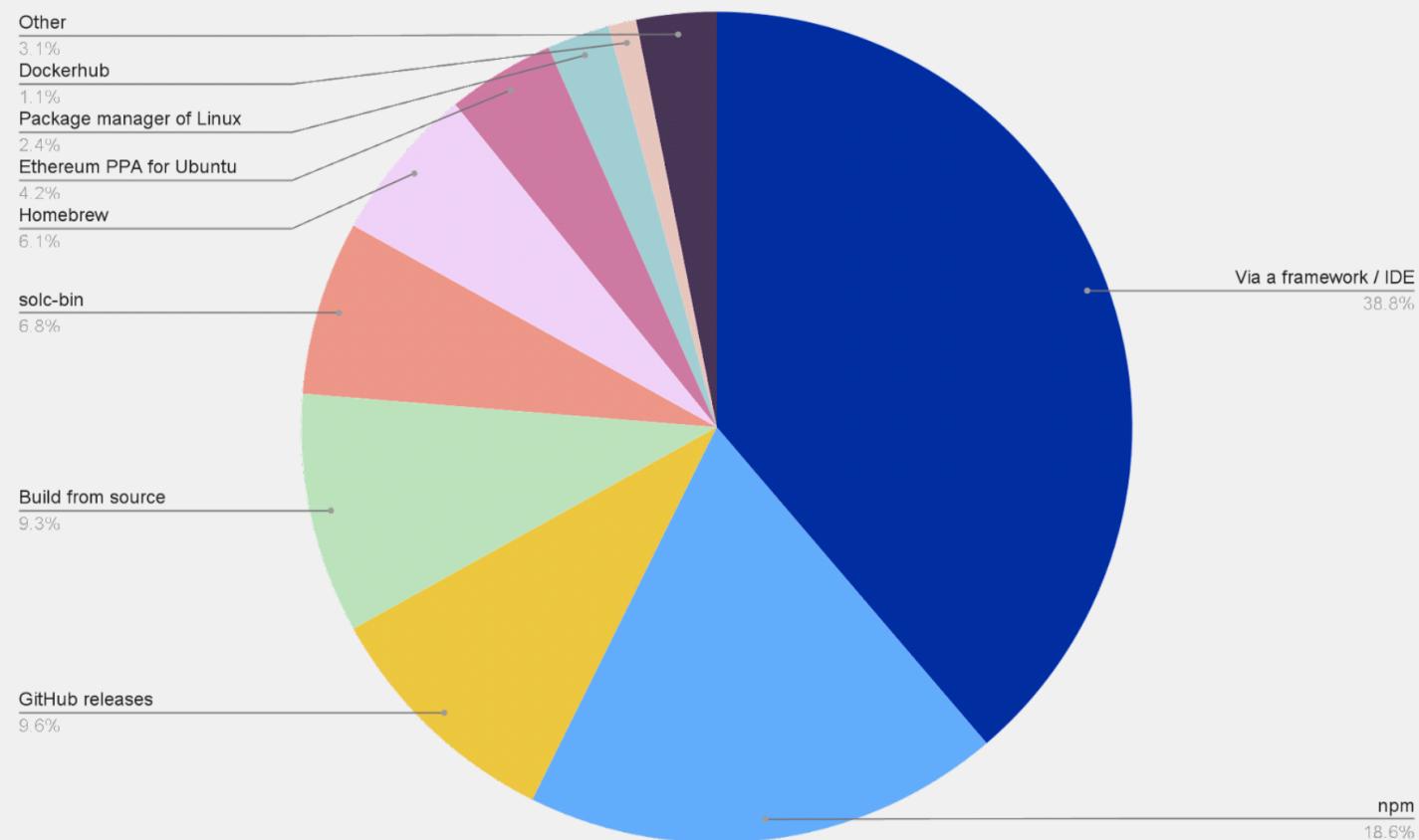
## How long did it take you to become/feel productive with Solidity?



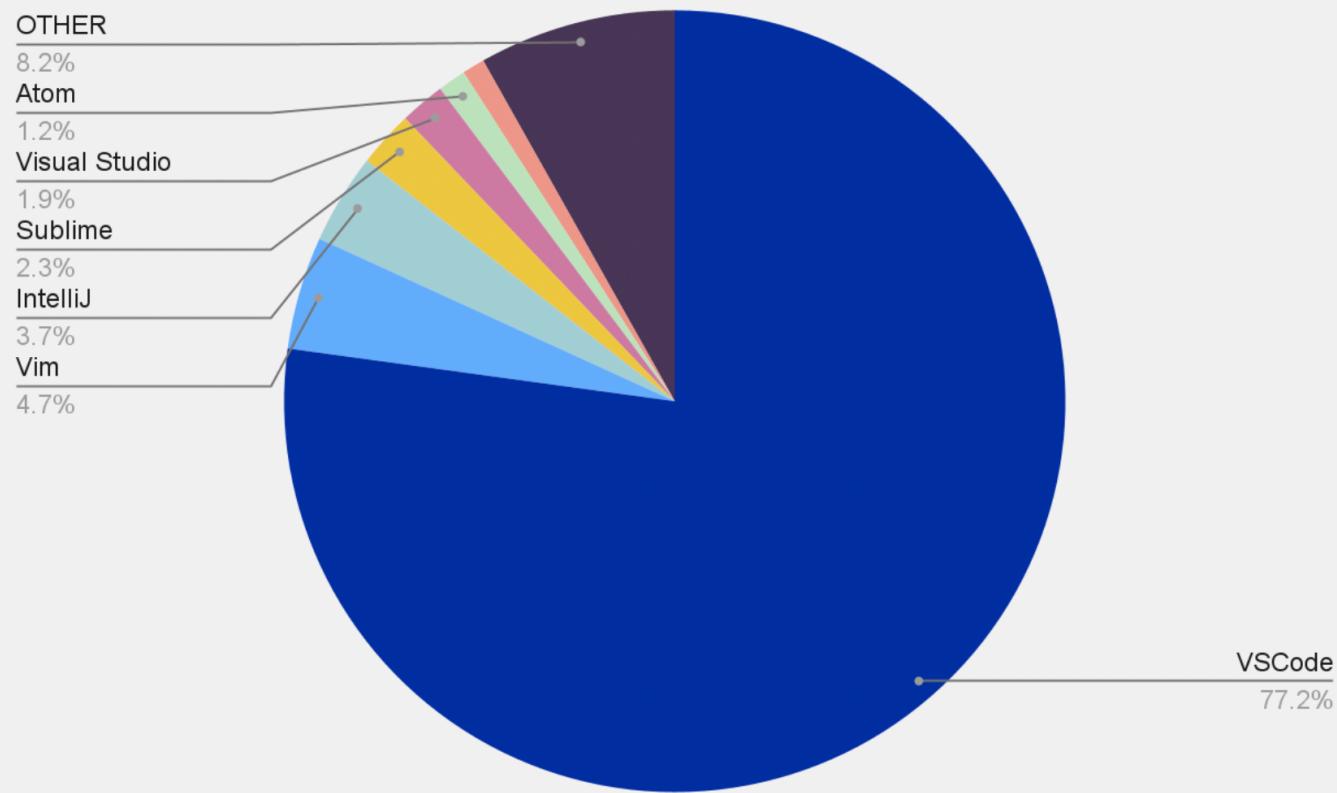
## How often do you use Solidity?



## Where do you get Solidity binaries from?



## Which editor do you use for writing Solidity?

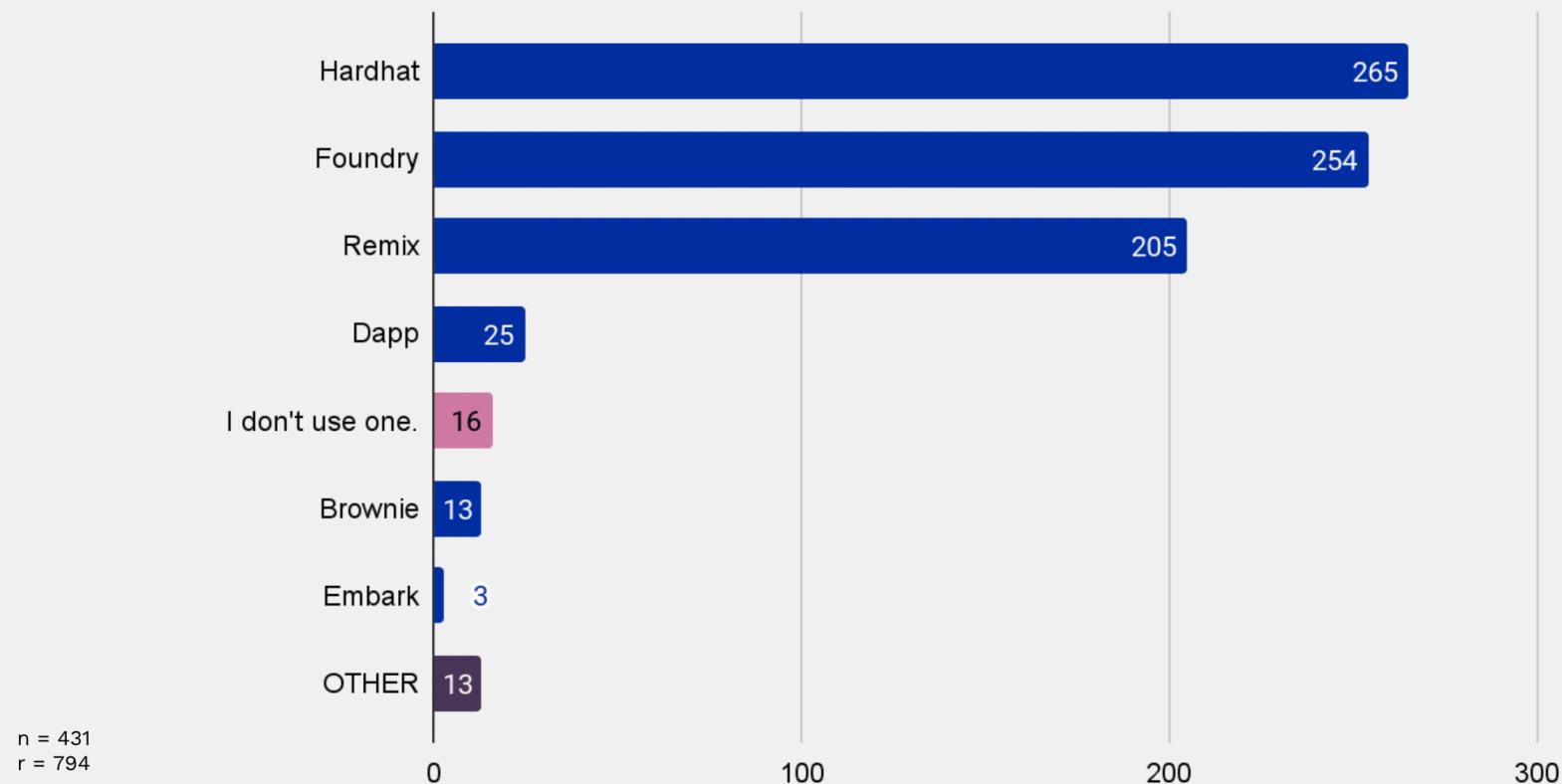


## Which Solidity-related plugin(s) do you use?

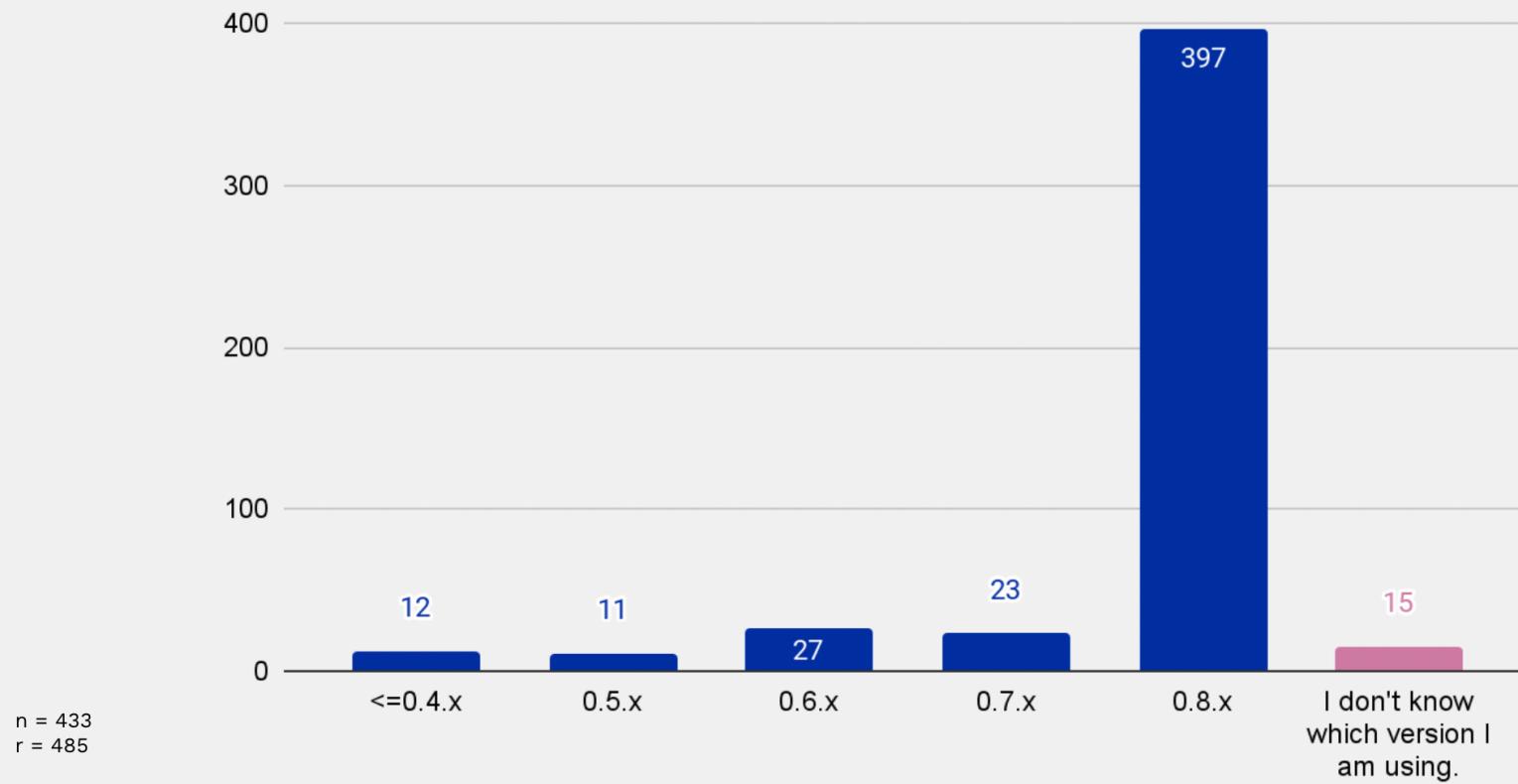
| Editor             | Plugin  | Count |
|--------------------|---|-------|
| Atom               | Etheratom   | 2     |
|                    | Atom Solidity Linter  | 1     |
|                    | None  | 2     |
| Visual Studio Code | Solidity Visual Code extension by Juan Blanco                         | 190   |
|                    | Solidity Visual Code extension by Nomic Foundation / "Hardhat VSCode" | 180   |
|                    | Ethereum Remix extension  | 89    |
|                    | Solidity Visual Auditor extension                                     | 82    |
|                    | Truffle for VSCode  | 25    |
|                    | None  | 21    |
| IntelliJ           | IntelliJ IDEA plugin  | 14    |
|                    | Vim Solidity by TovarishFin   | 5     |
| Vim                | Vim Syntastic   | 4     |
|                    | Vim Solidity by Thesis  | 3     |
|                    | None  | 1     |
|                    | None  | 11    |
| Emacs              | Emacs Solidity  | 2     |
|                    | None  | 1     |



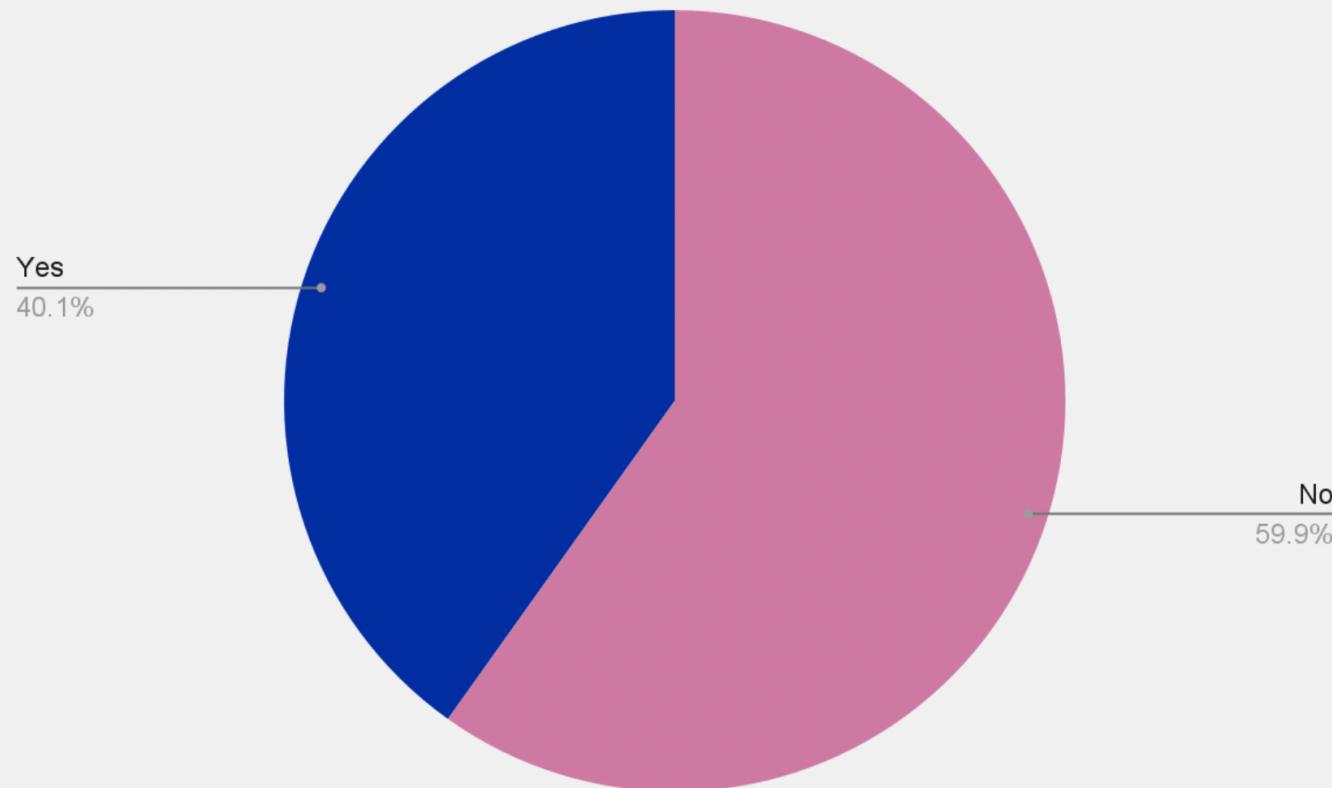
## Do you use an Ethereum specific development environment?



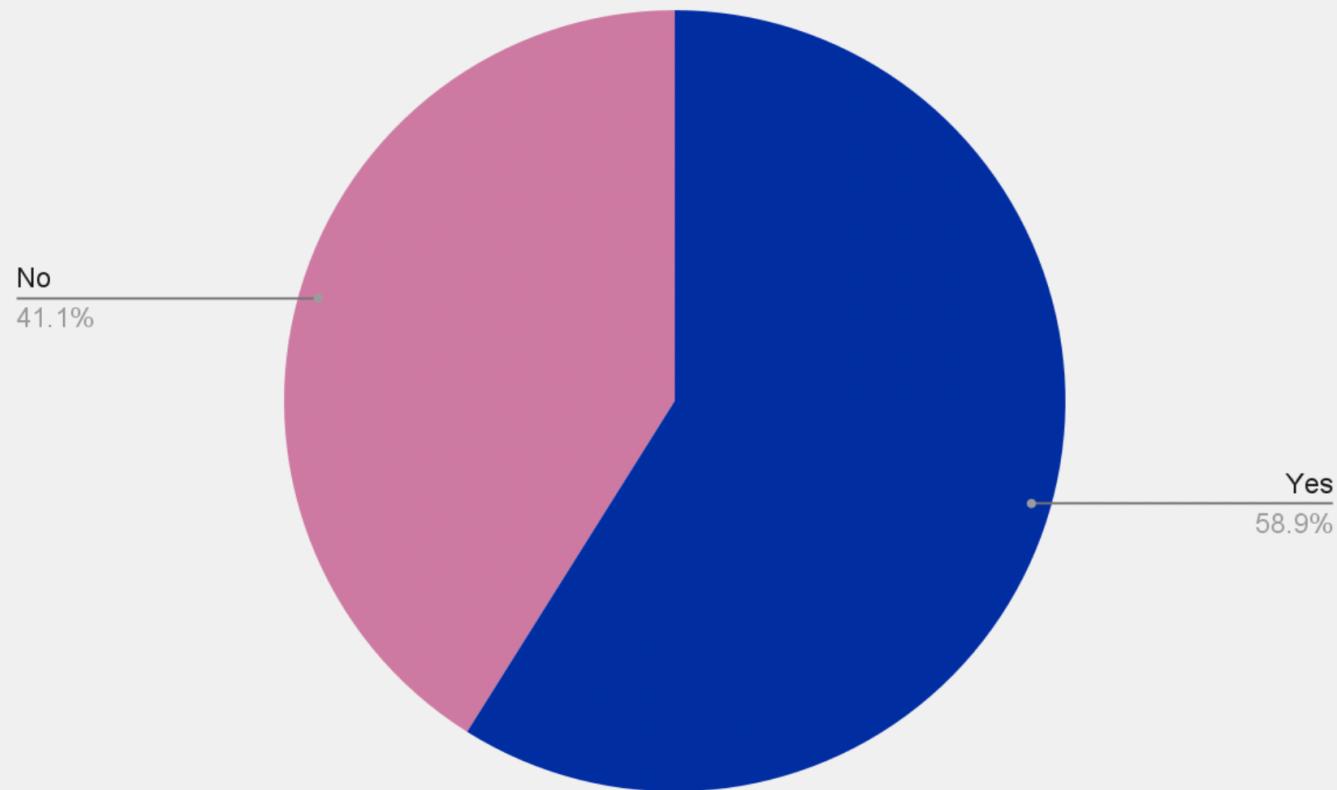
## Which Solidity version do you currently actively use?



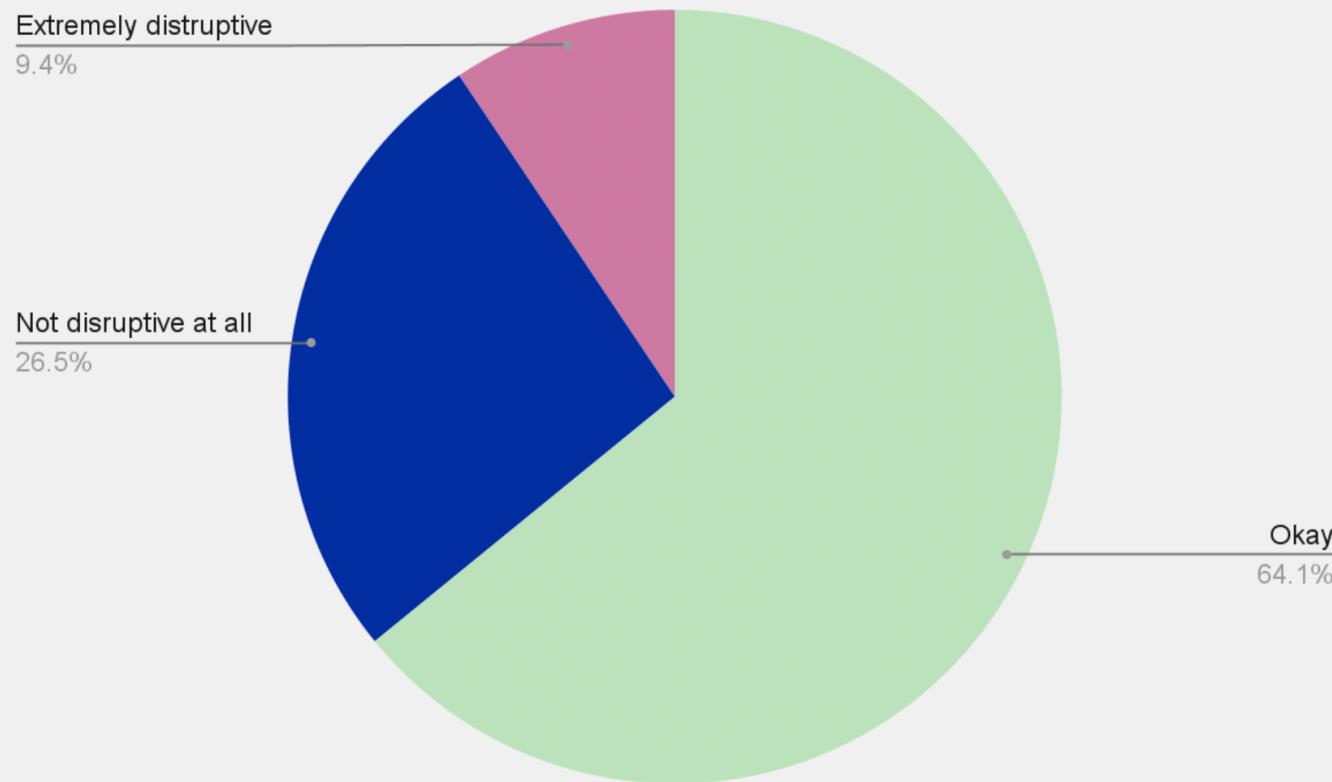
## **Do you ever use the compiler directly, on the command line?**



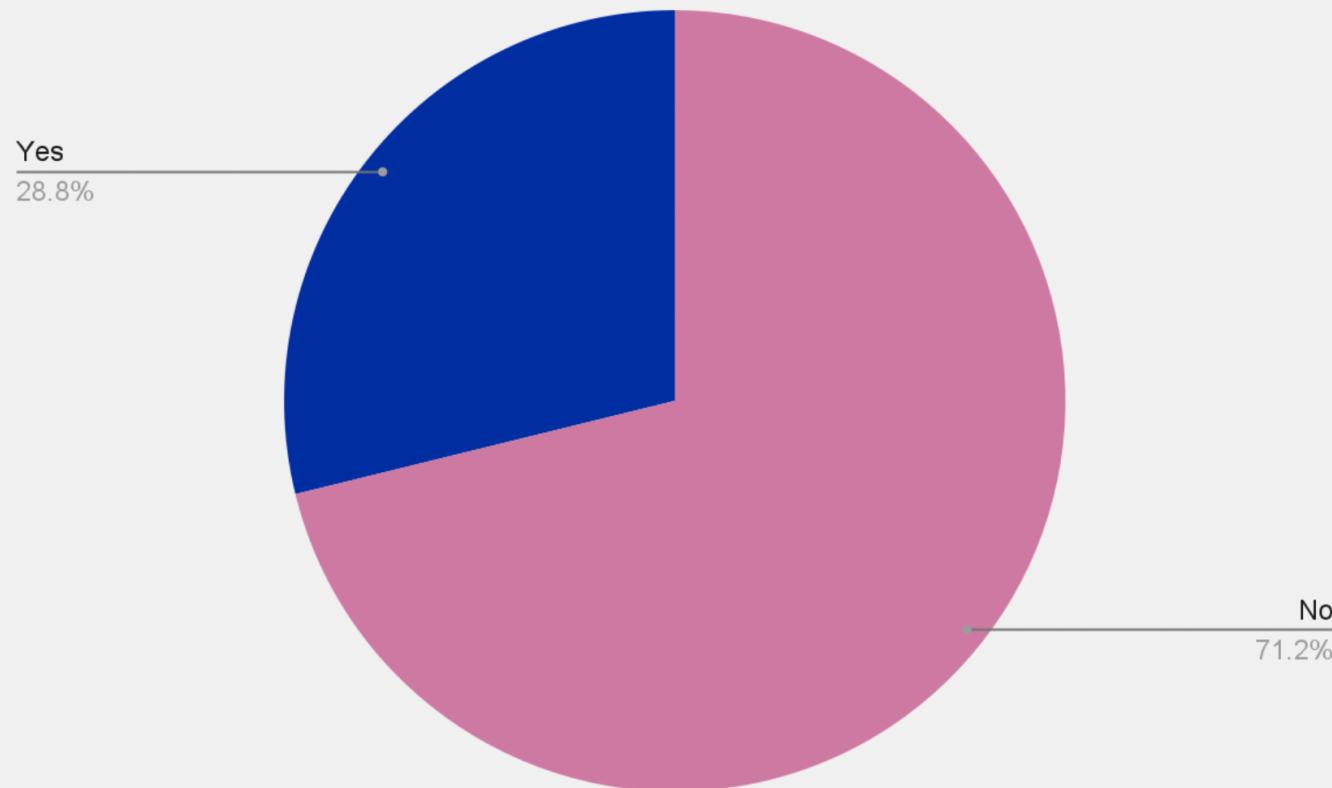
## Are you using the CLI instead of the Standard JSON scripting?



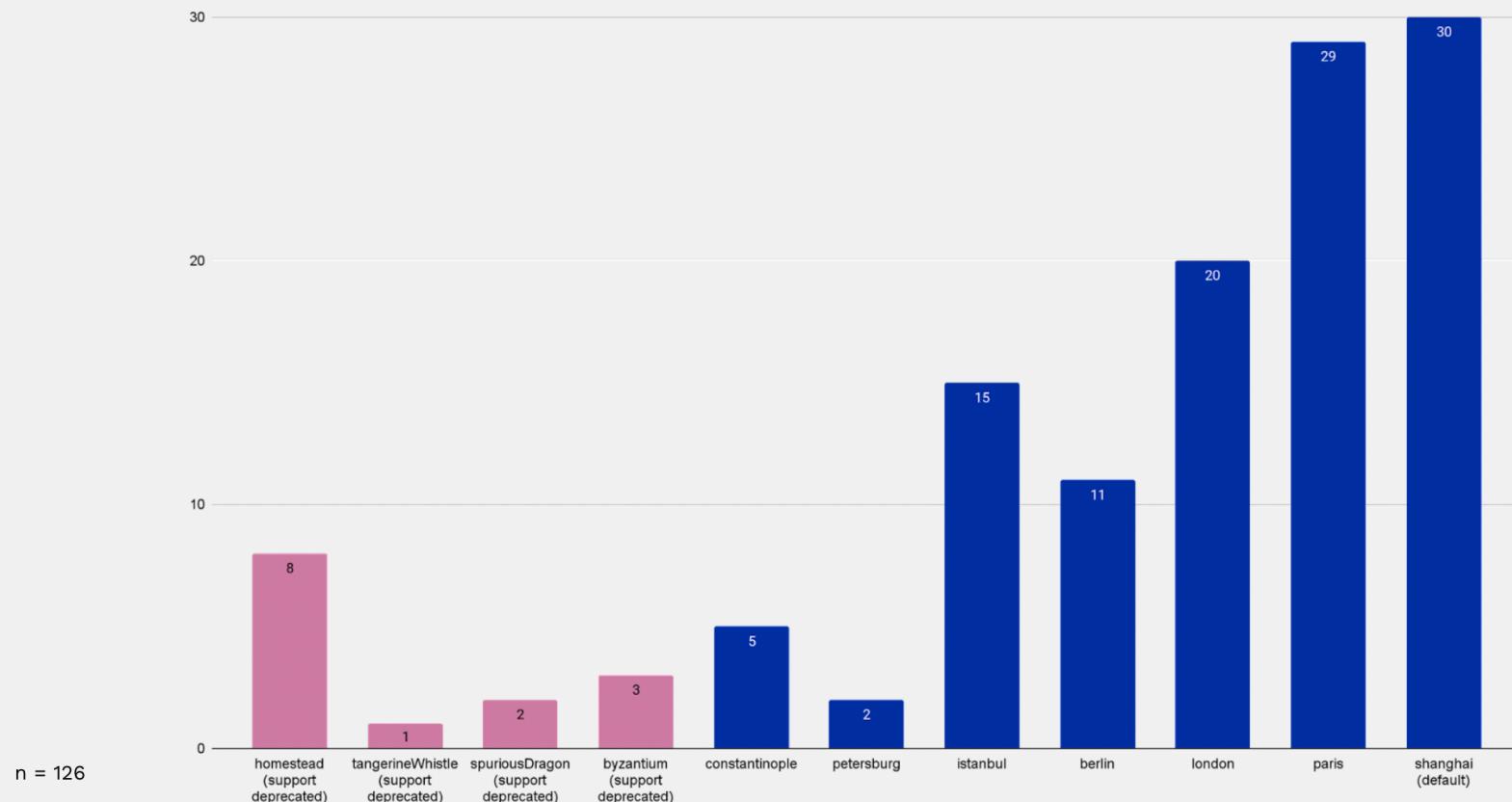
## How disruptive are changes in the CLI outputs and options for you?



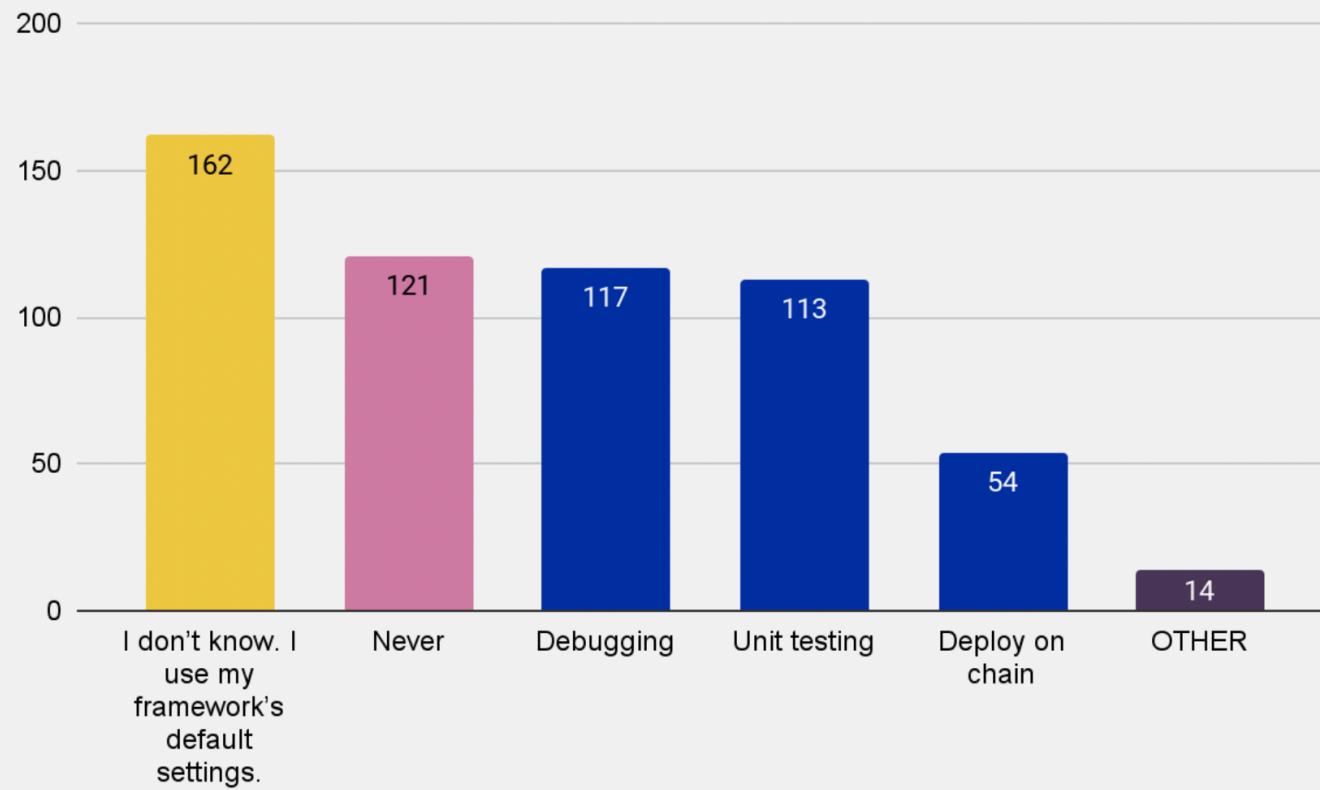
## **Do you rely on compiler support for older EVM versions?**



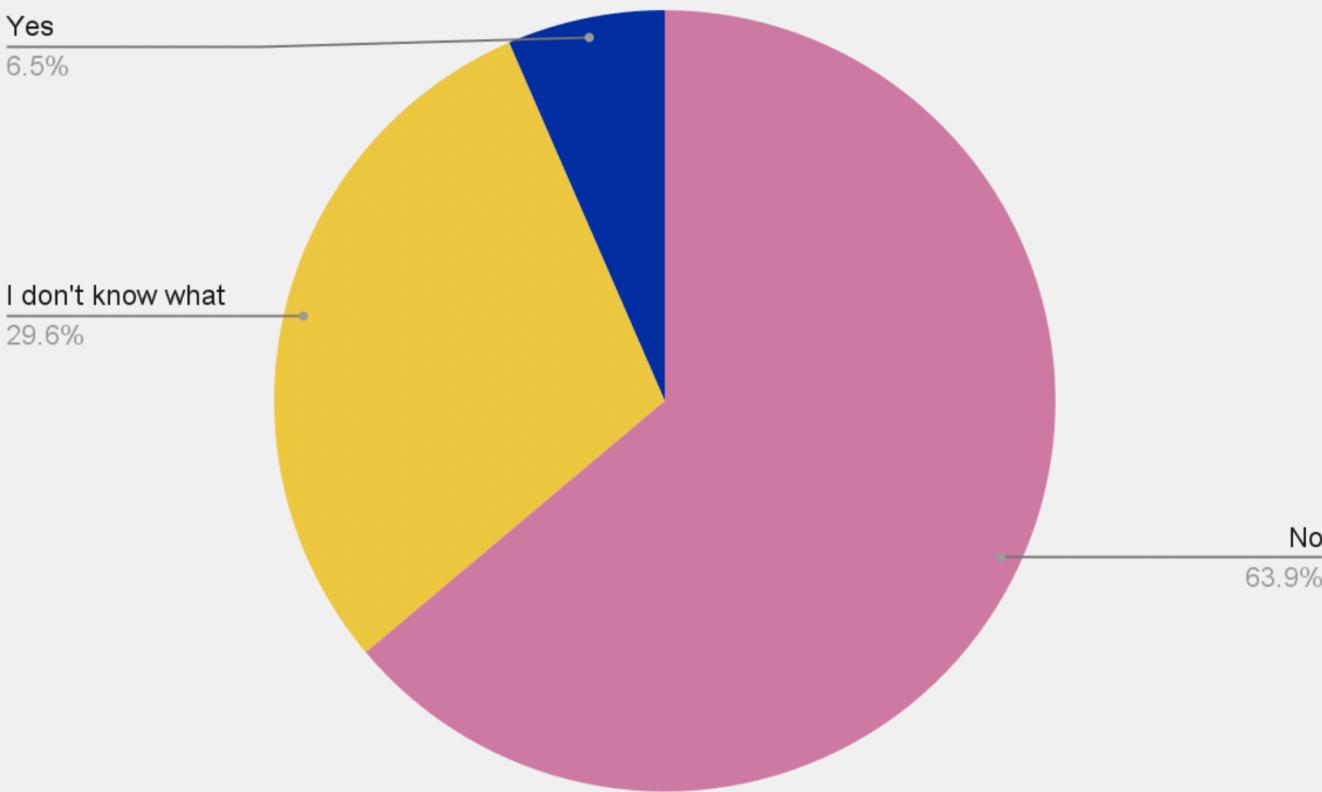
## Which is the oldest EVM version that you target?



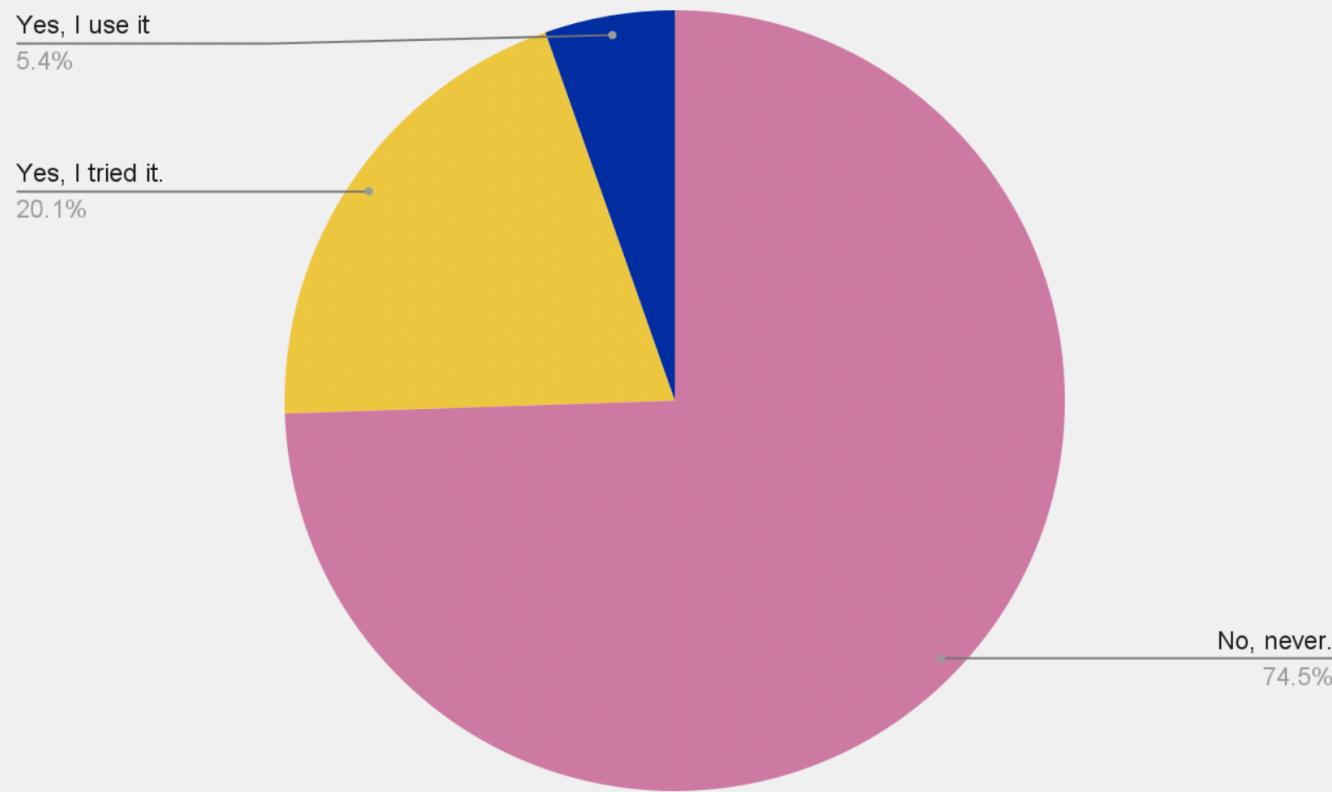
## For which purpose do you use unoptimised code for?



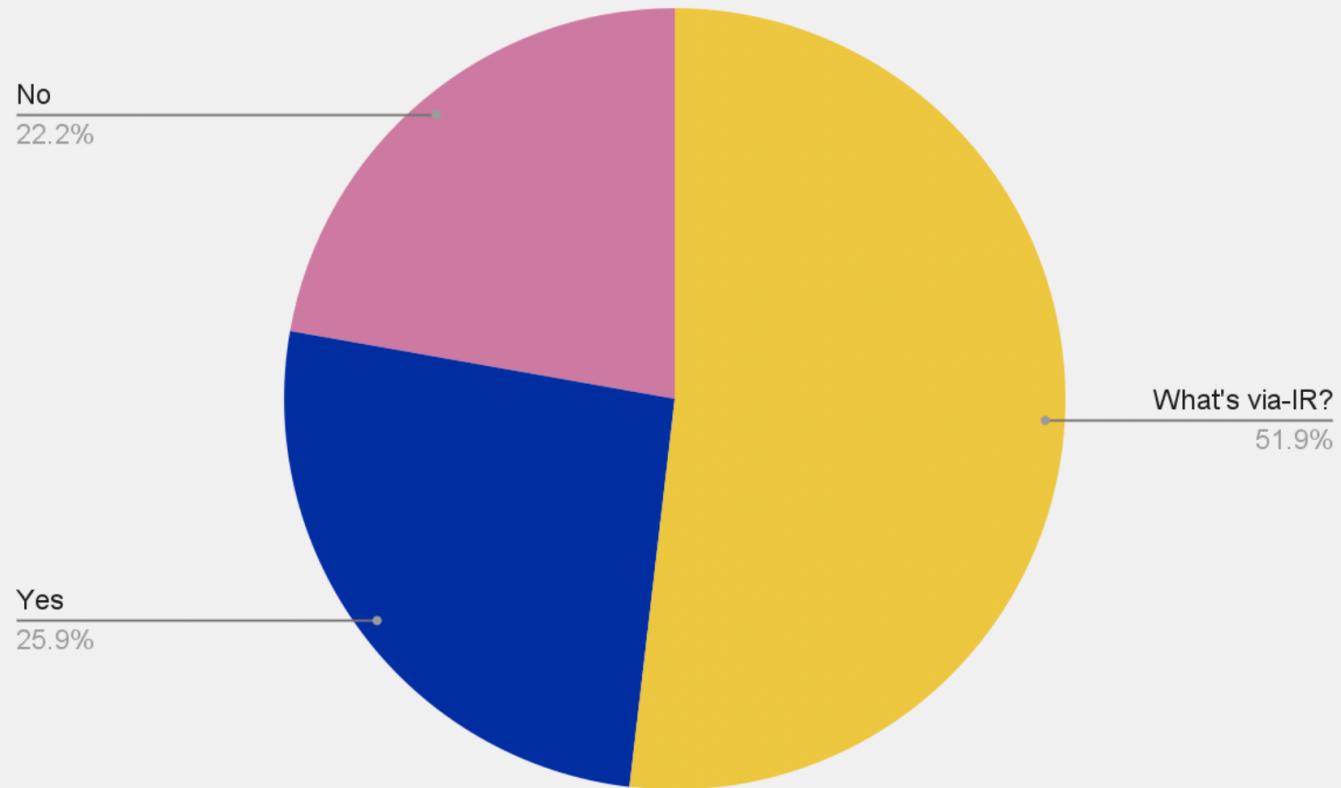
## **Do you use ABIEncoderV1 (enabled via “pragma abicoder v1”)?**



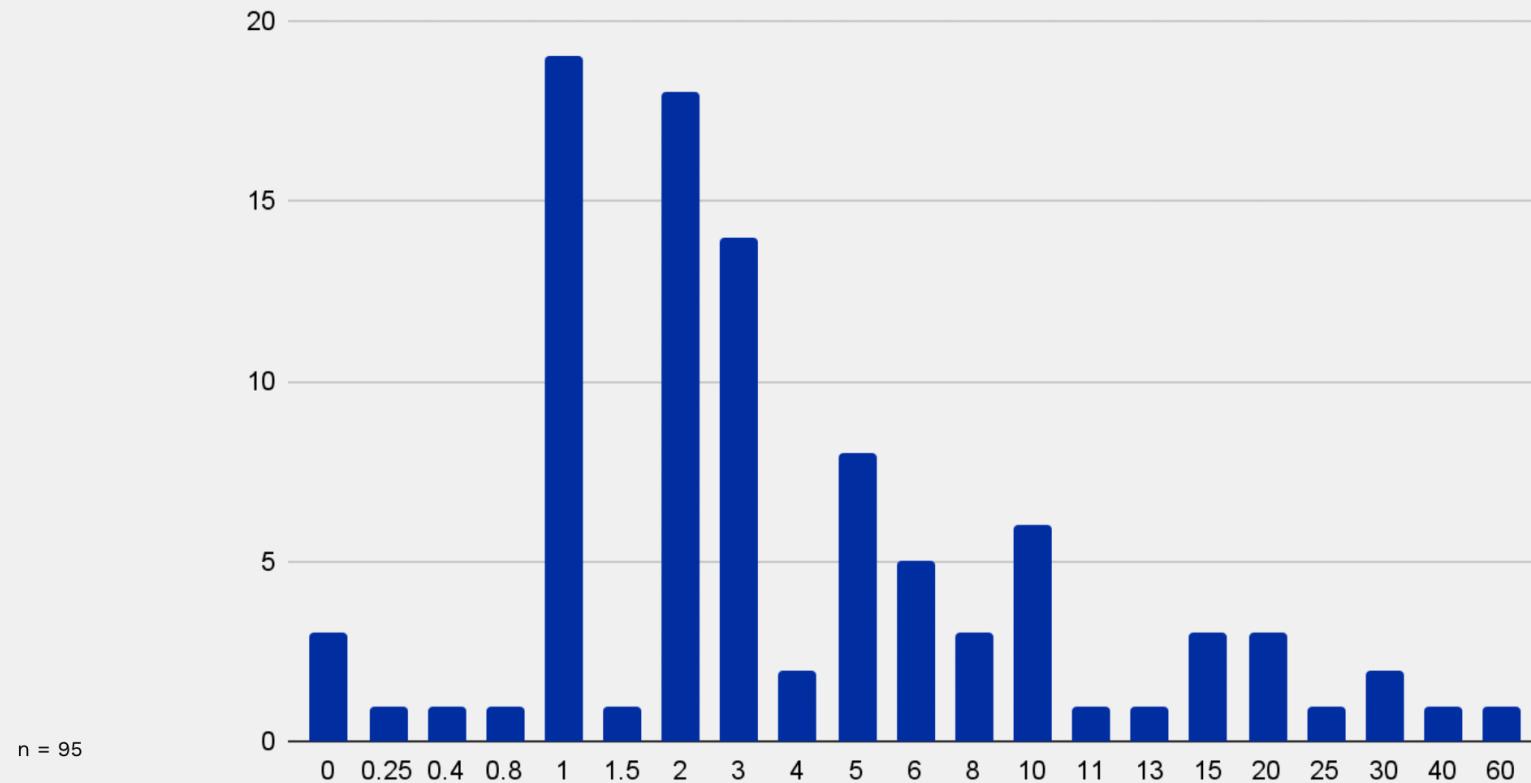
## Do you use the SMTChecker?



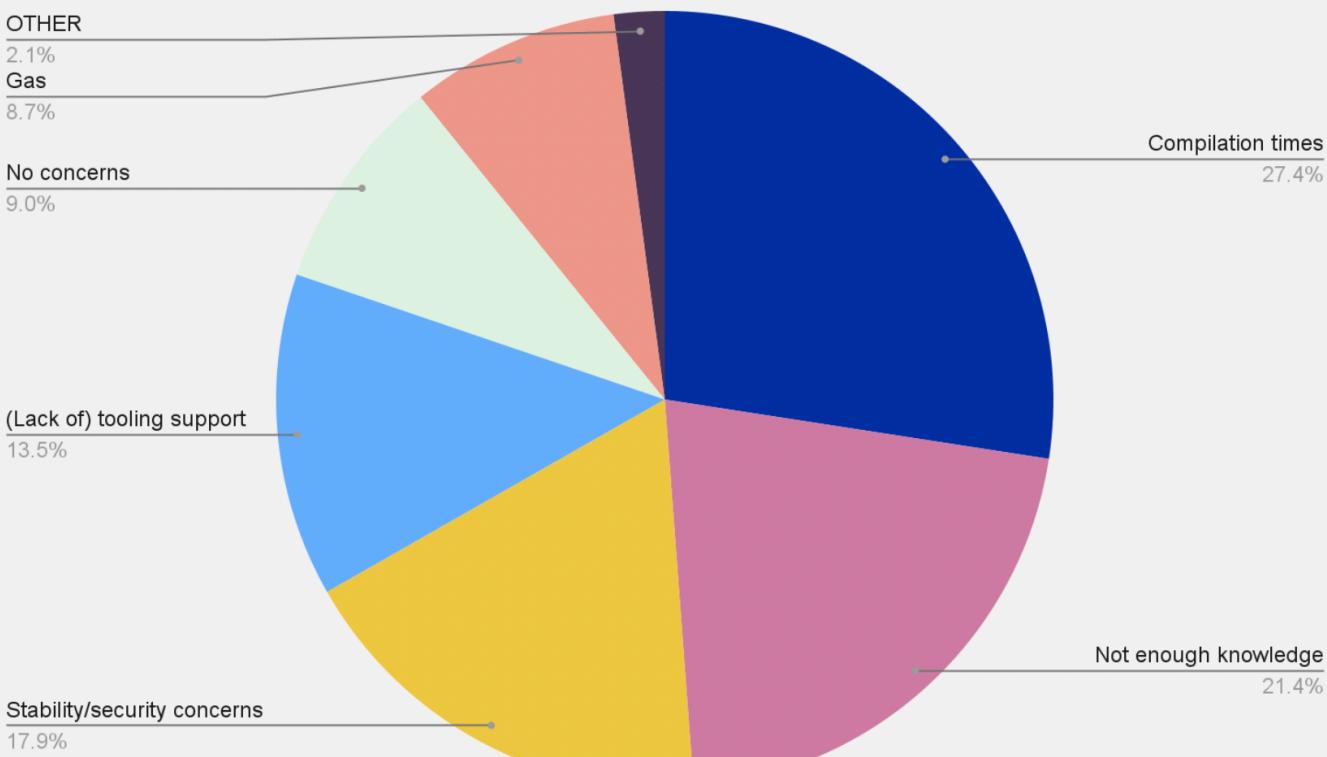
## **Do you use via-IR?**



## How many minutes does it take to compile your project's contract code with via-IR?



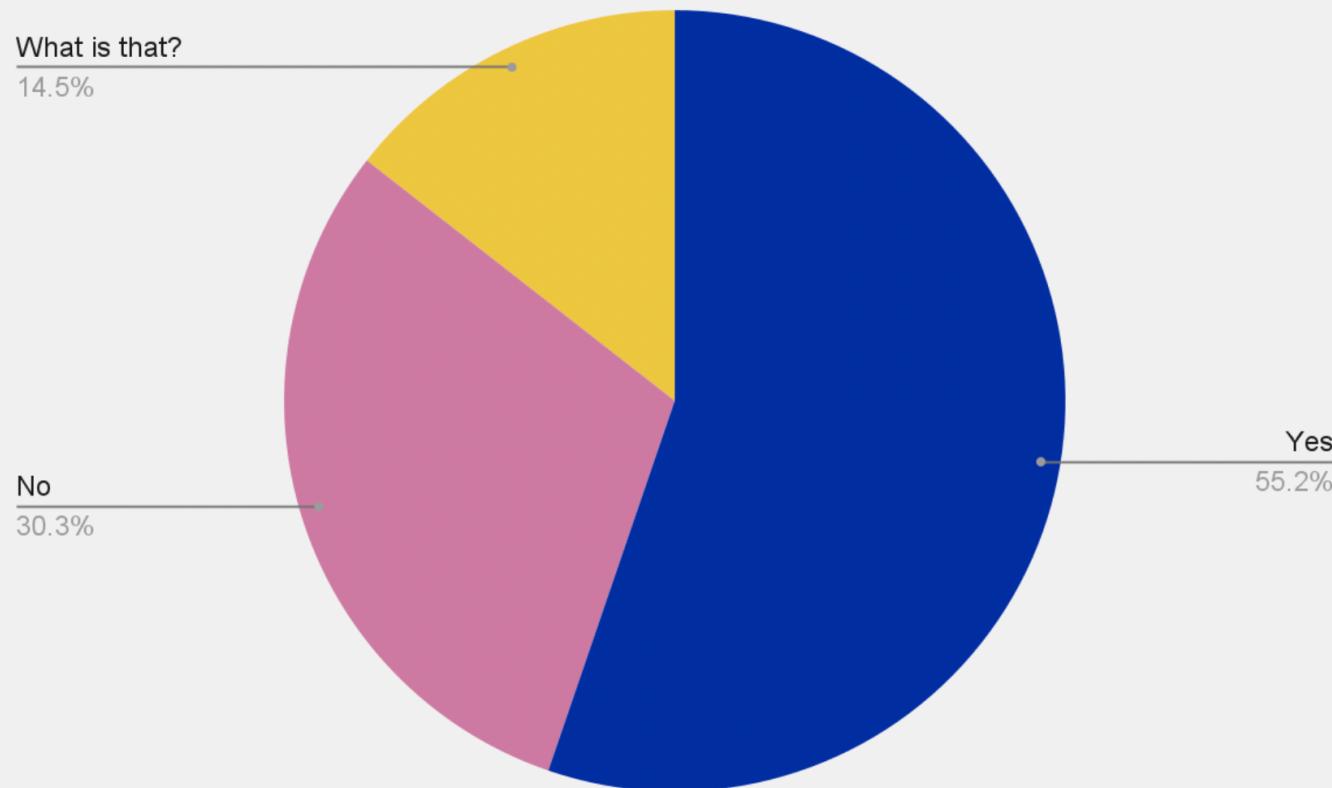
## What are you most concerned about using via-IR as the default code generation pipeline?



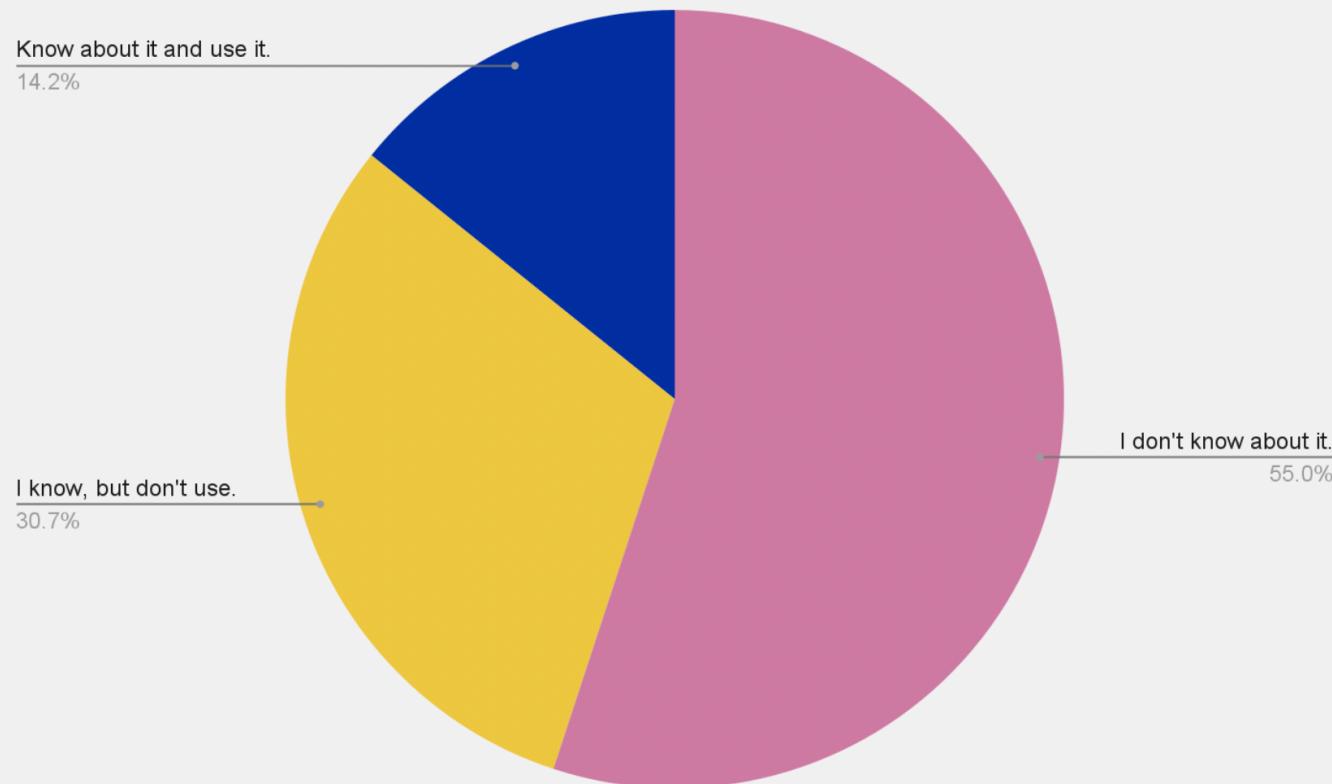
n = 379



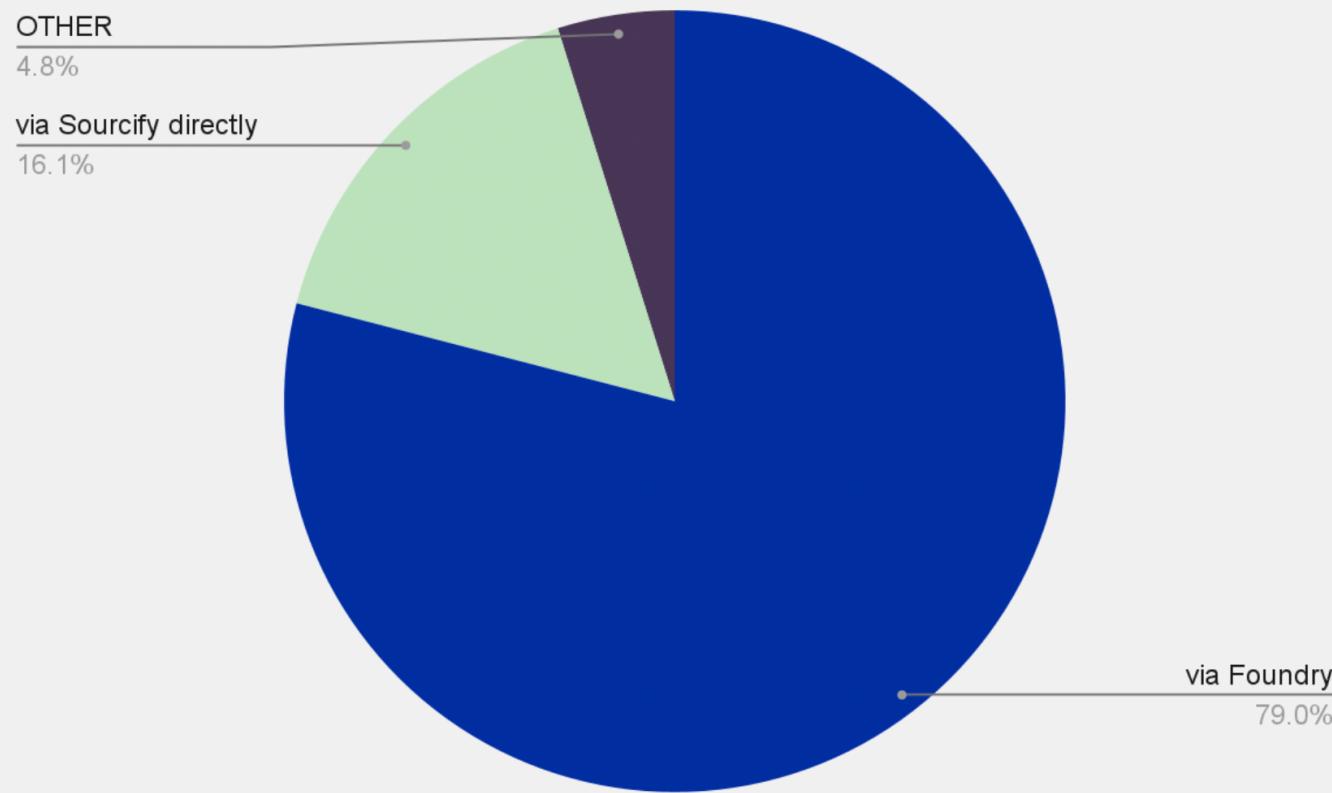
## **Do you publish the metadata of your contracts?**



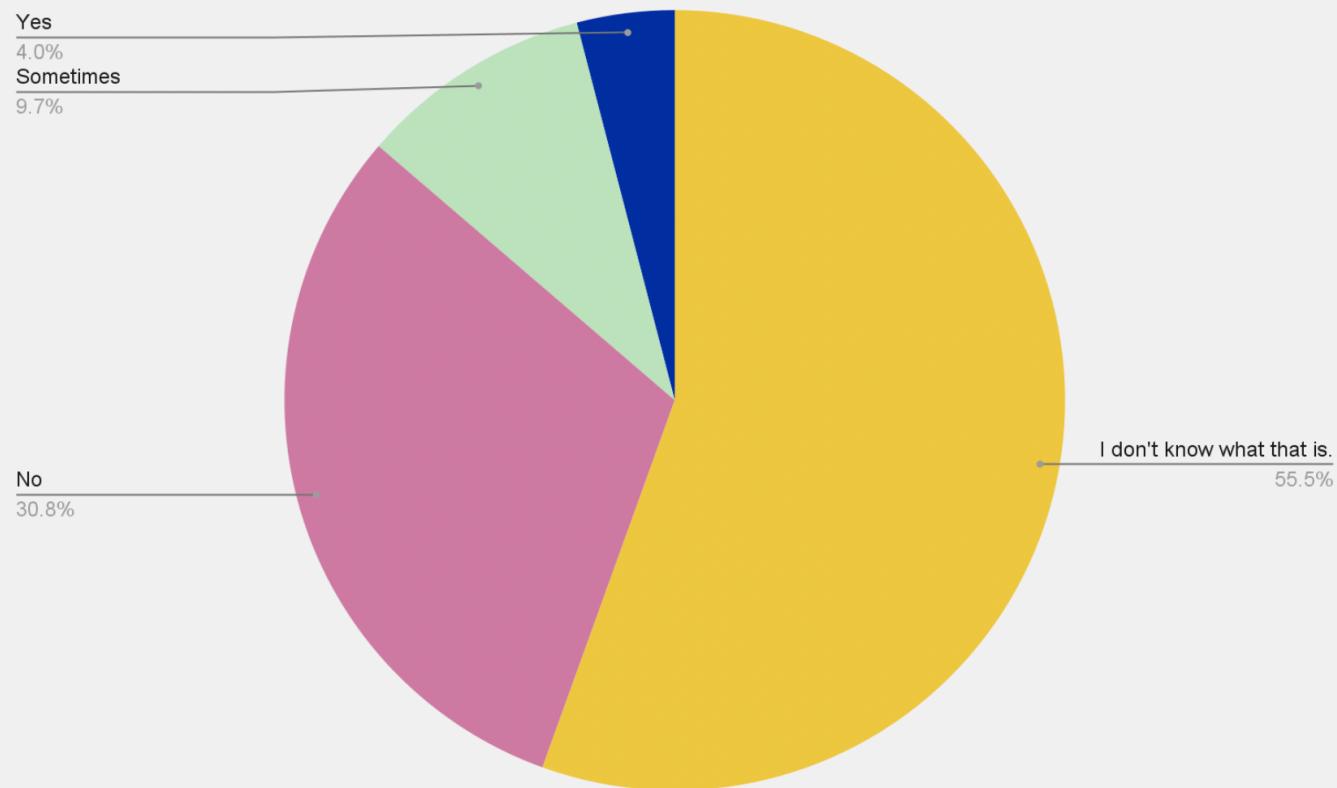
## Do you know and use Sourcify?



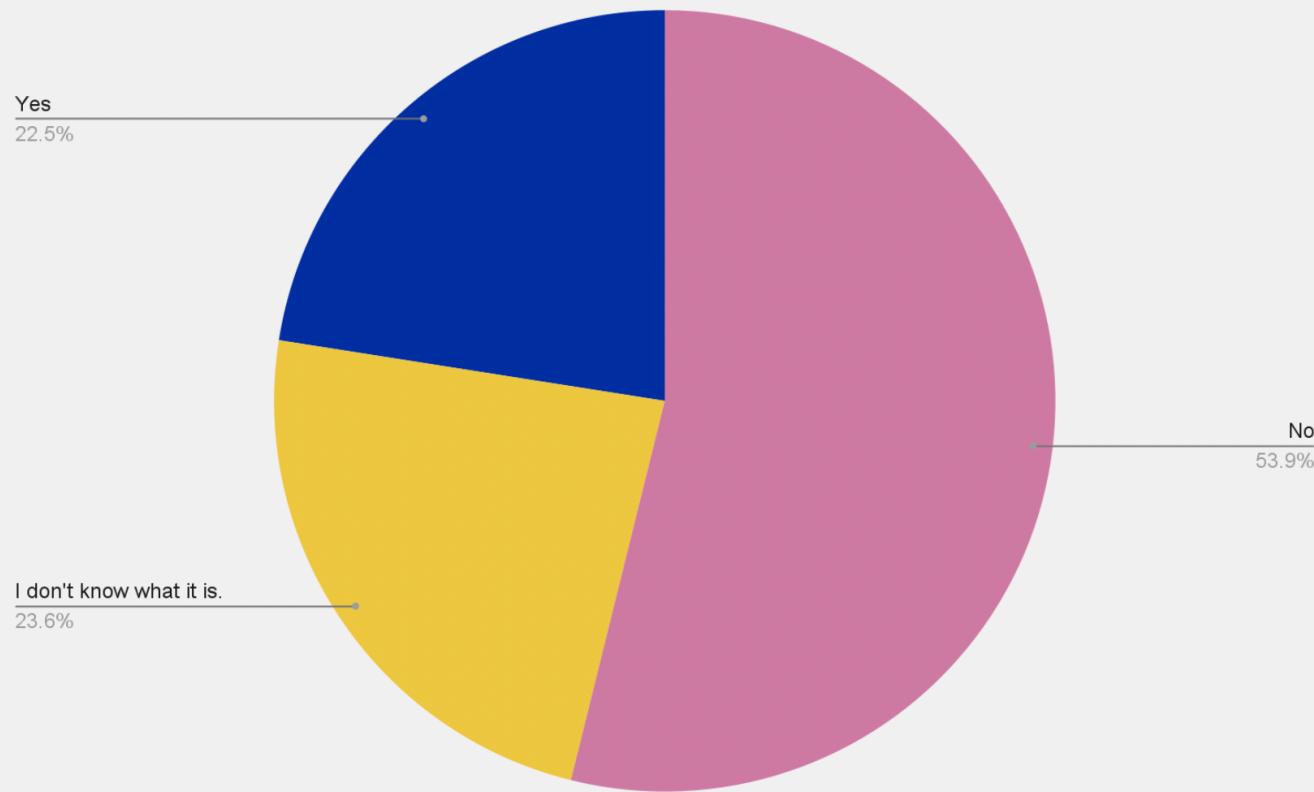
## What's your main way of using Sourcify?



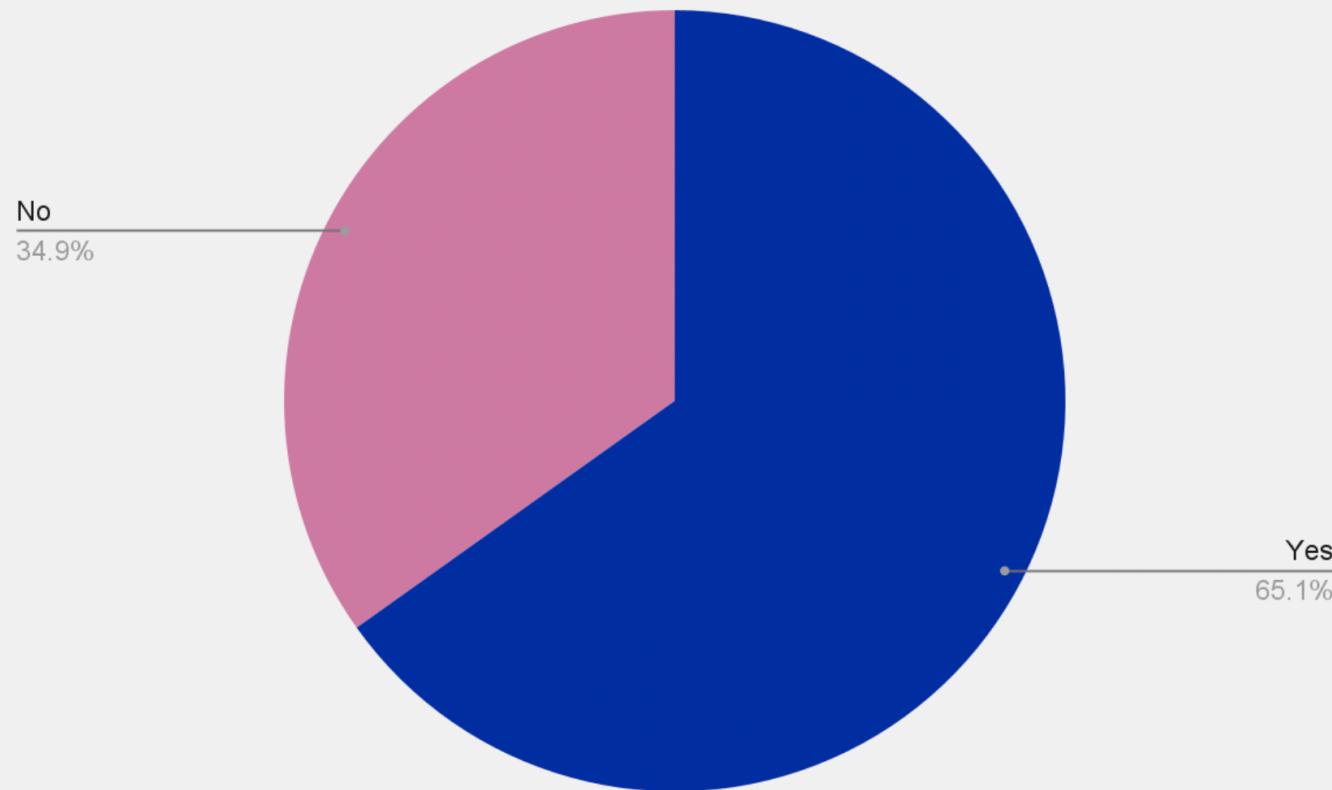
## Do you use `appendCBOR: false` or `bytecodeHash: none`?



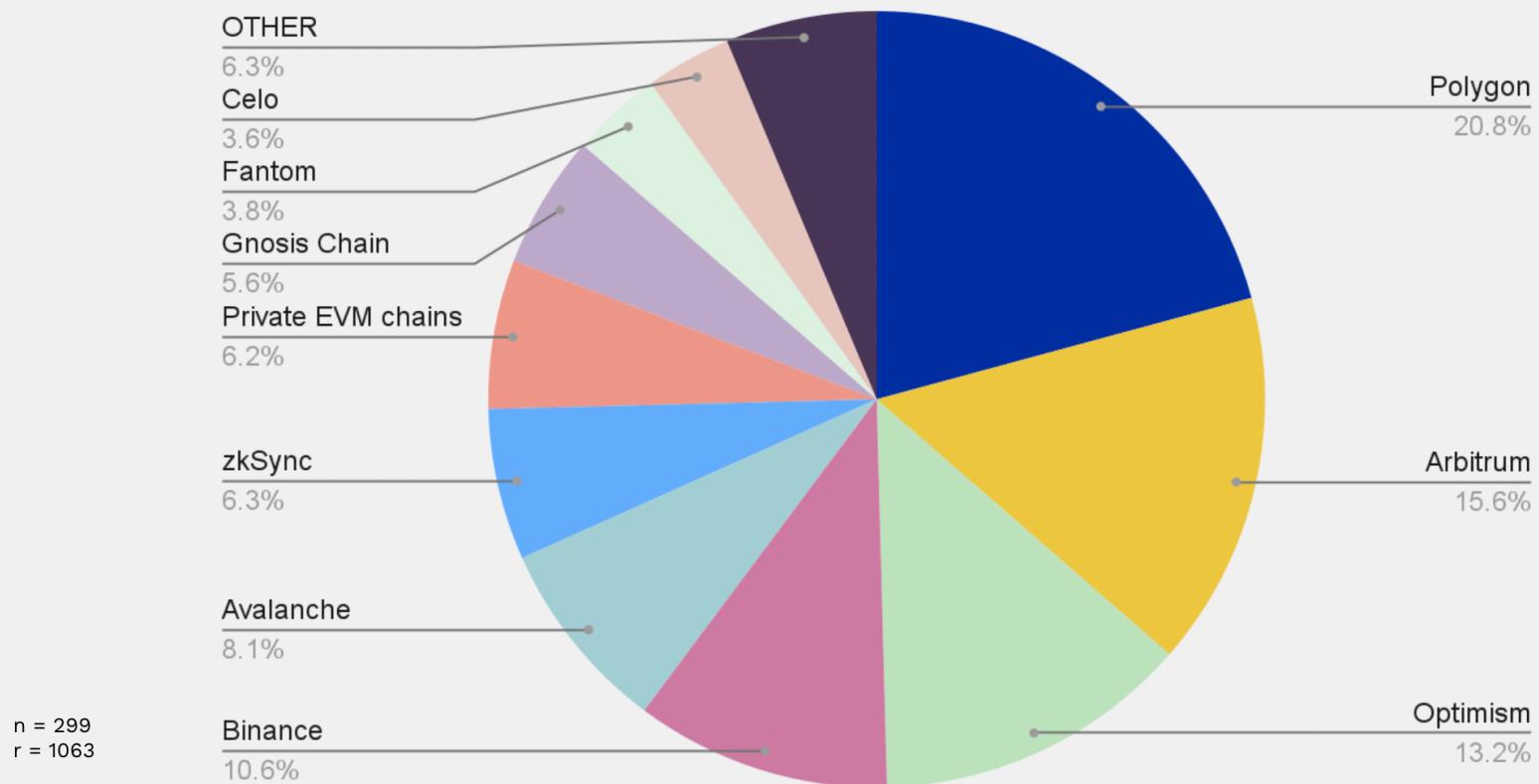
## **Do you flatten your contracts?**



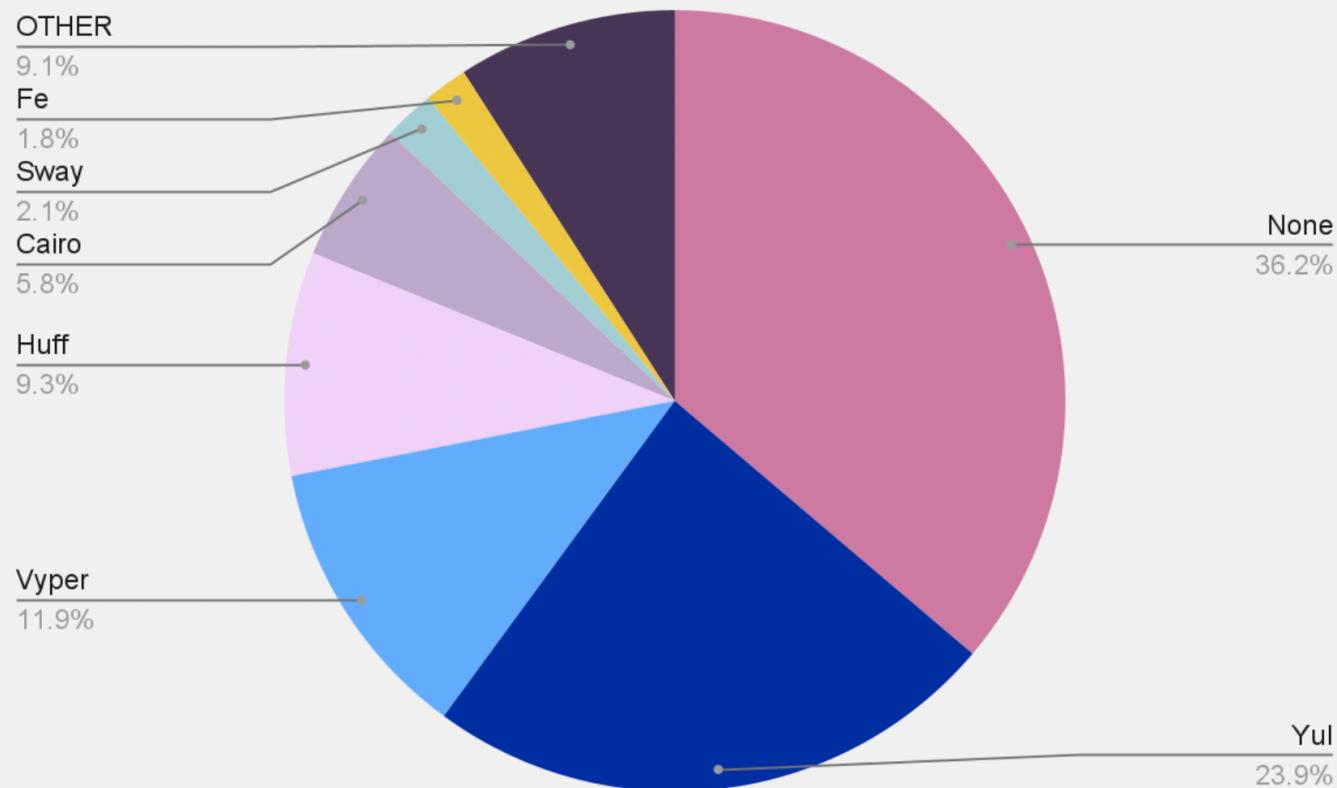
## **Do you use Solidity outside of Ethereum mainnet and testnets?**



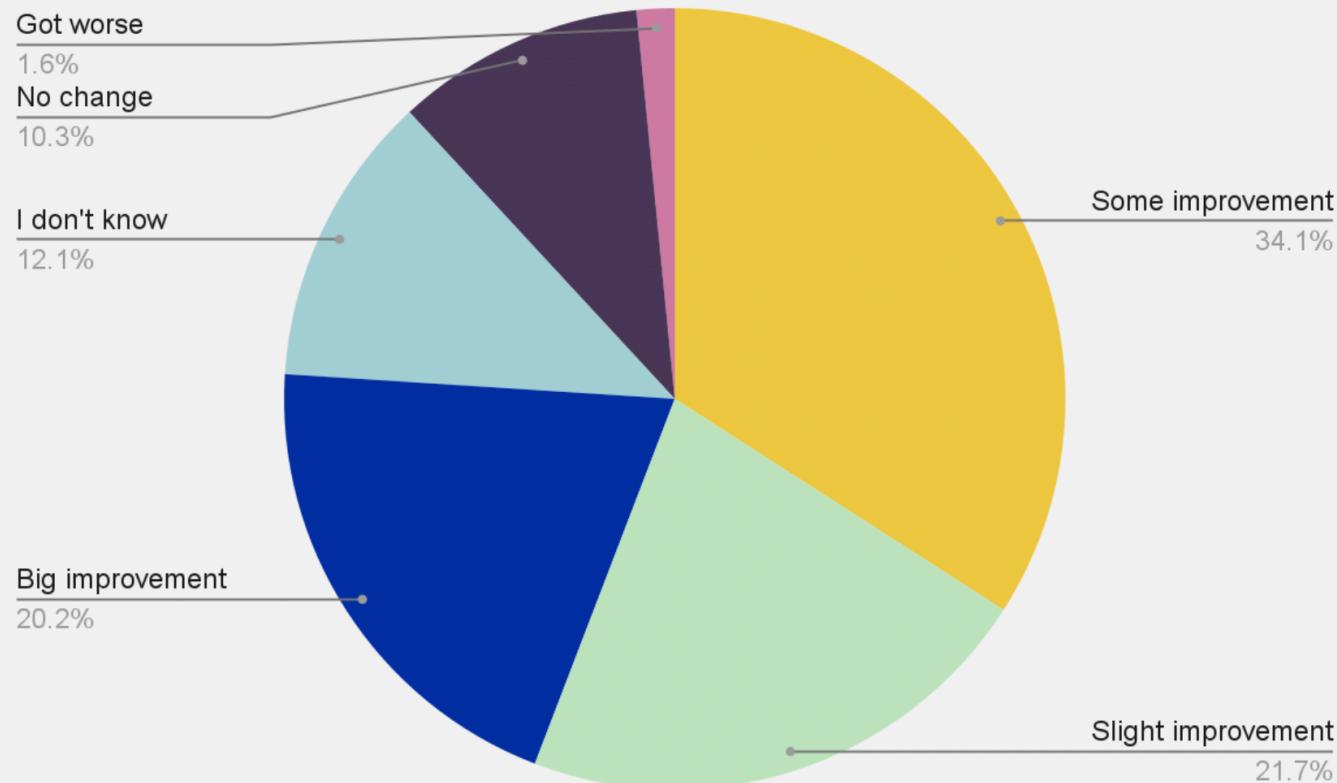
## On which other network do you deploy your Solidity smart contracts?



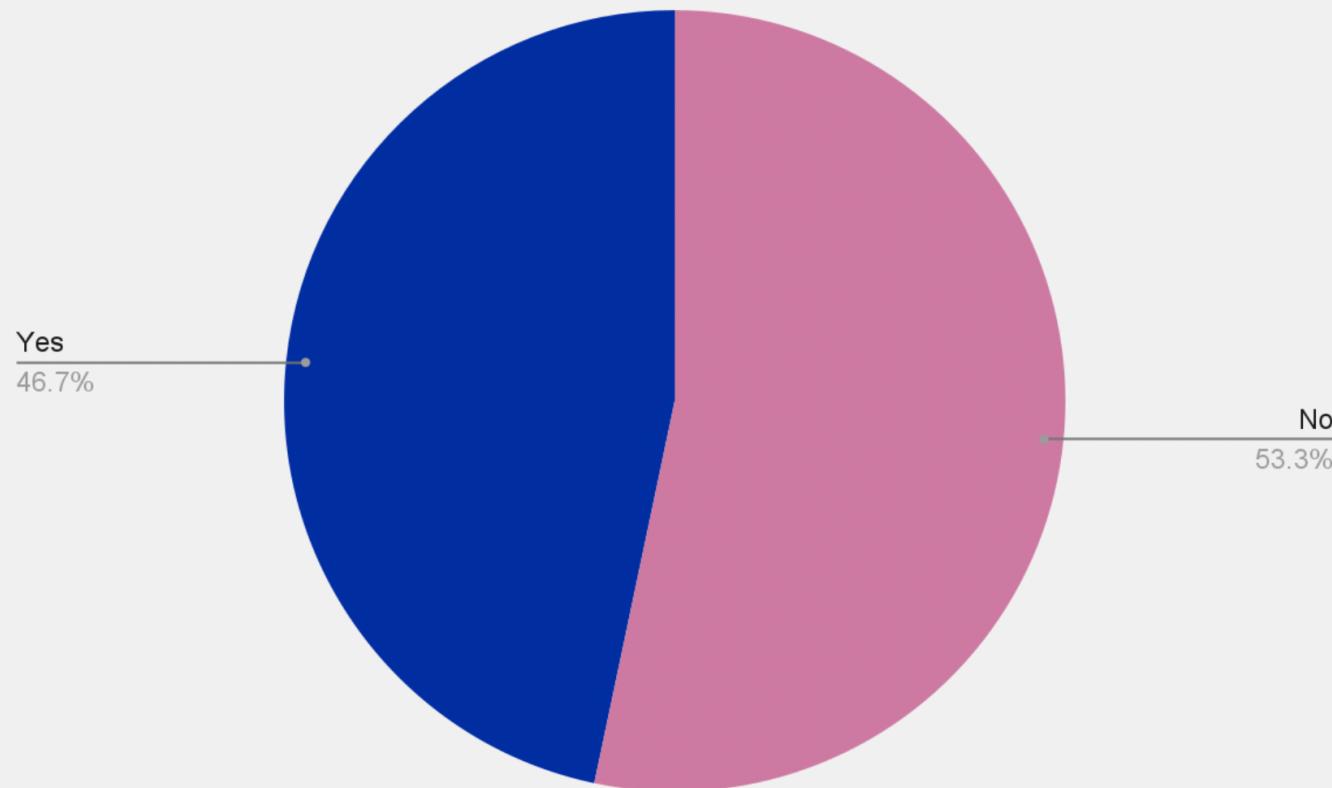
## What other smart contract languages do you use?



## How did the Solidity developer experience change overall in the last year in your opinion?



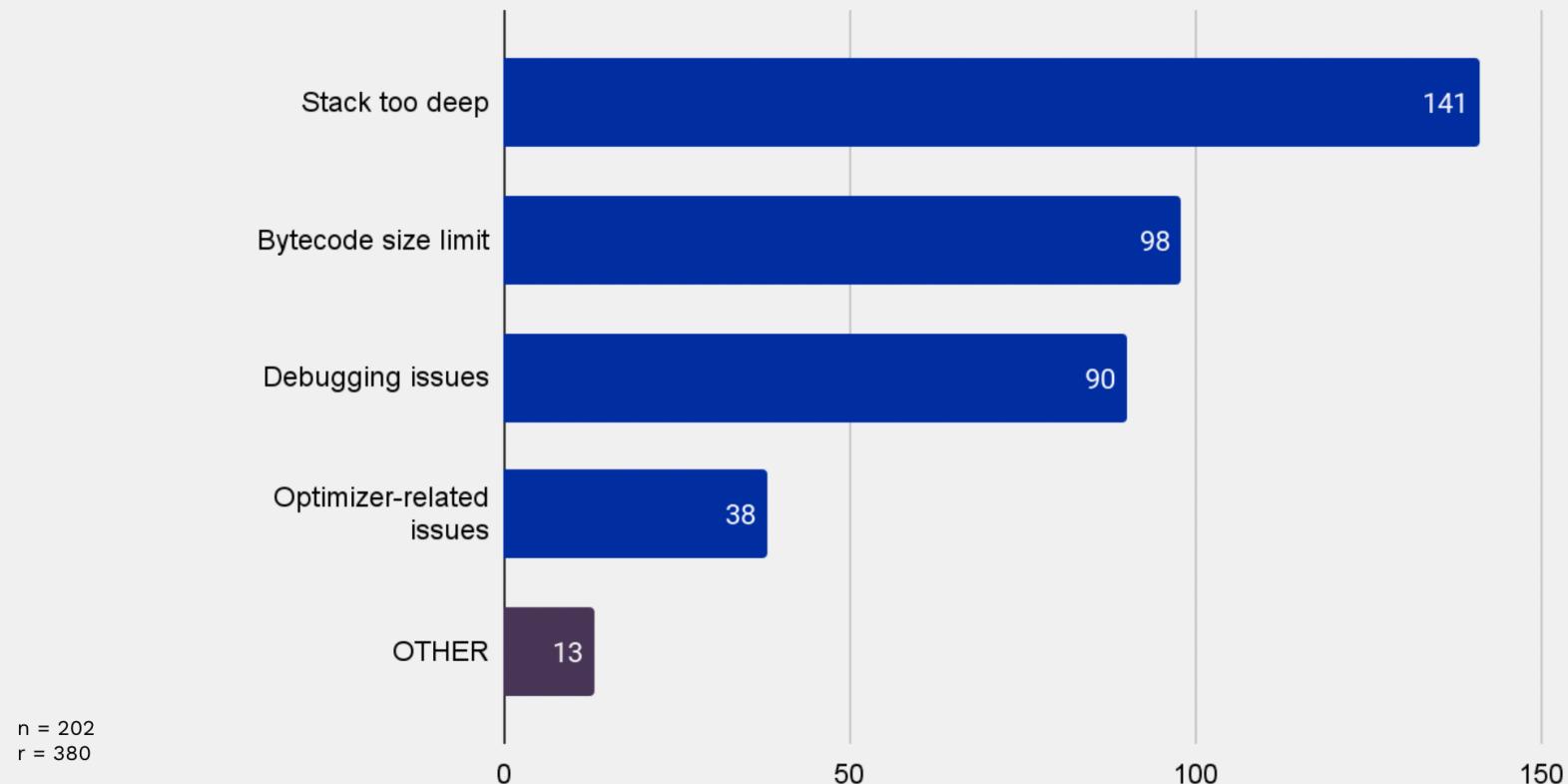
## **Do you encounter the same/similar issues multiple times?**



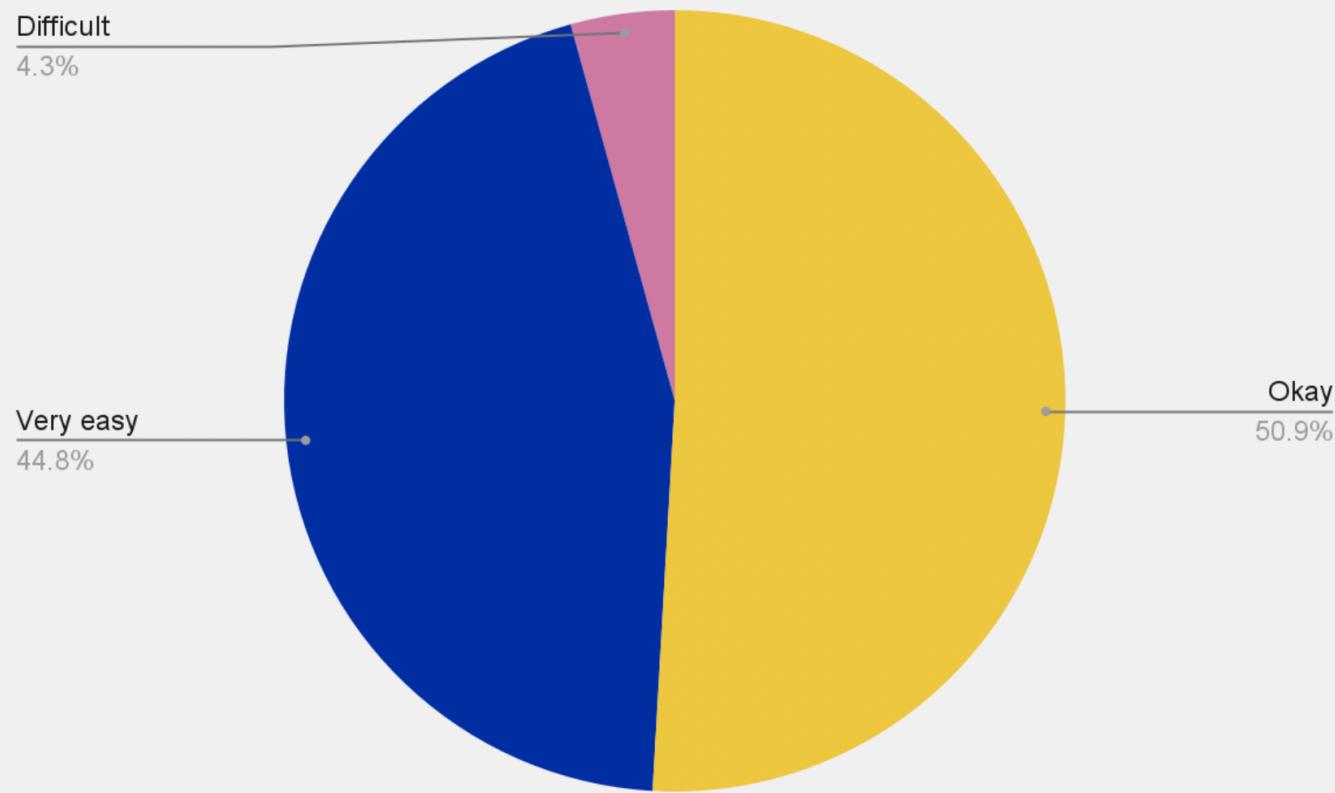
n = 439



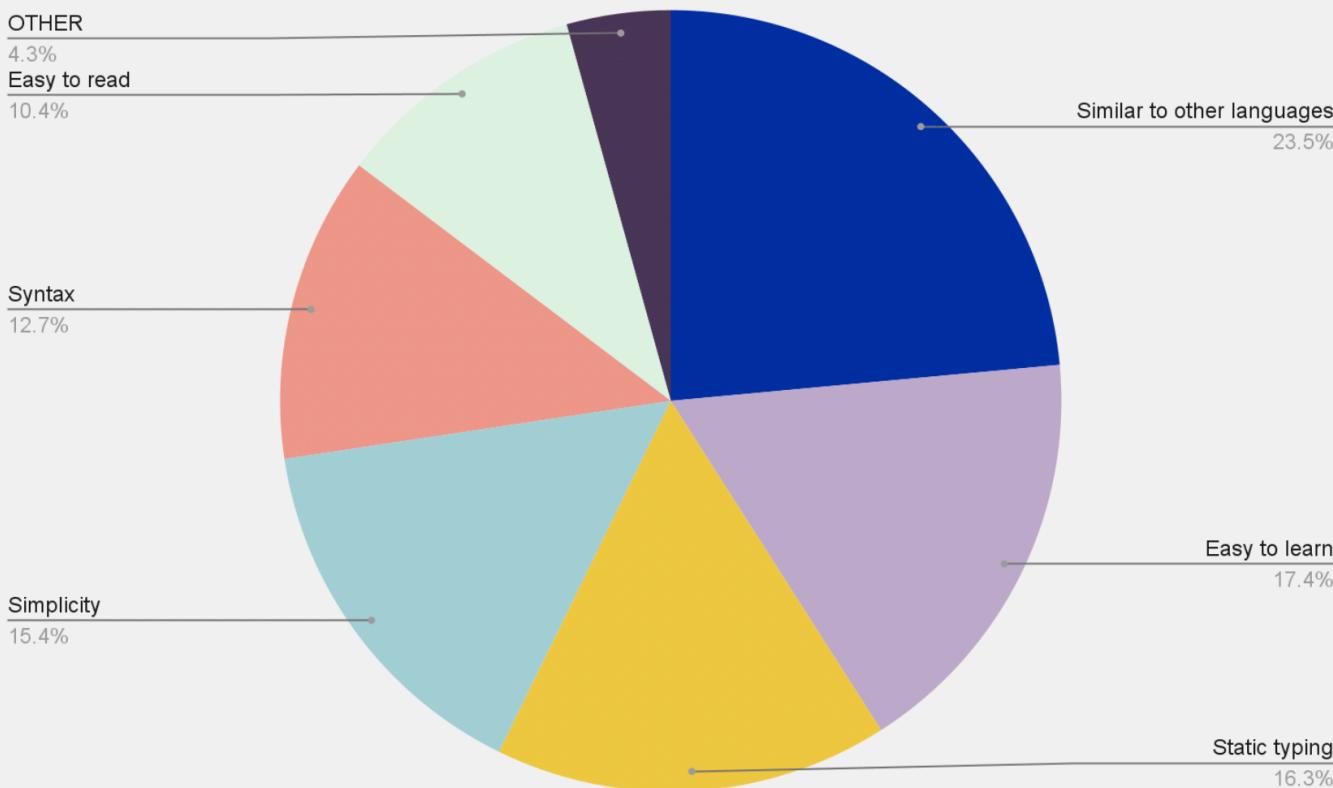
## Which problems do you encounter multiple times?



## **How easy was it for you to start using the Solidity compiler?**



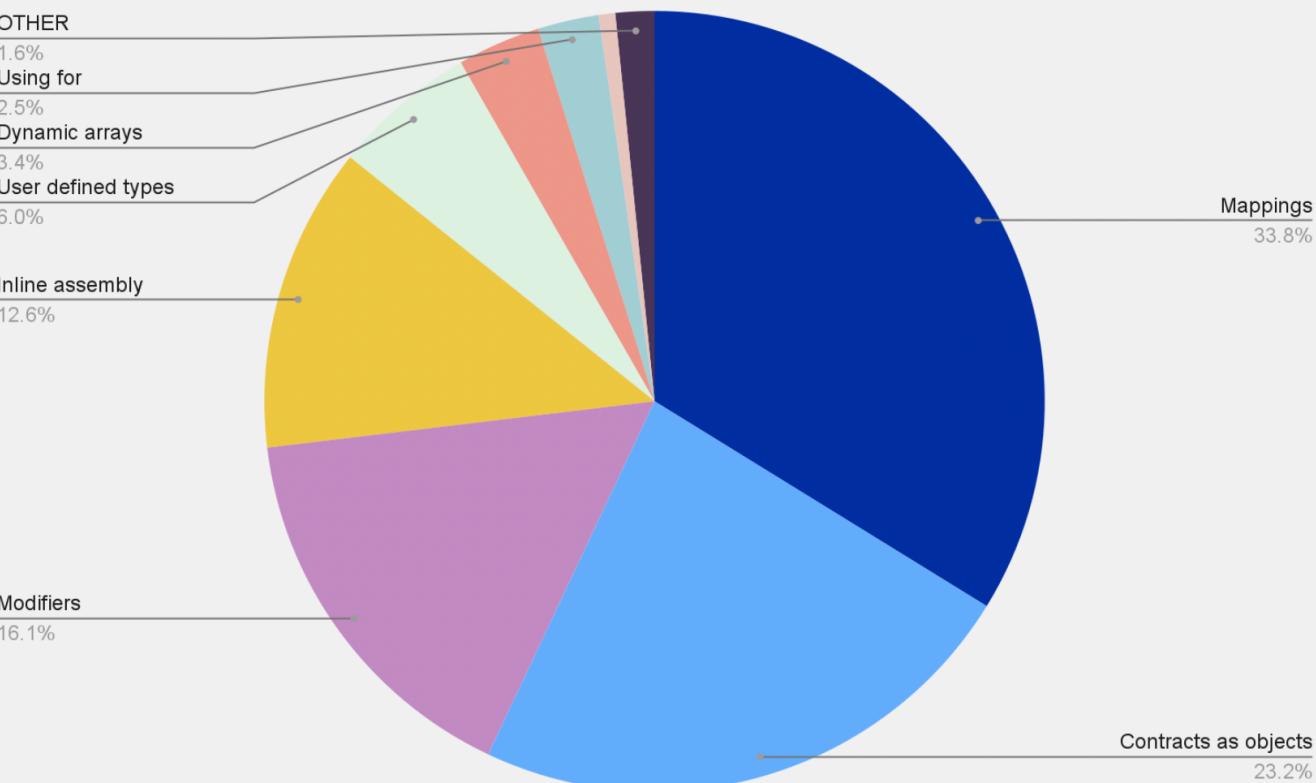
## What aspect of Solidity do you like the most?



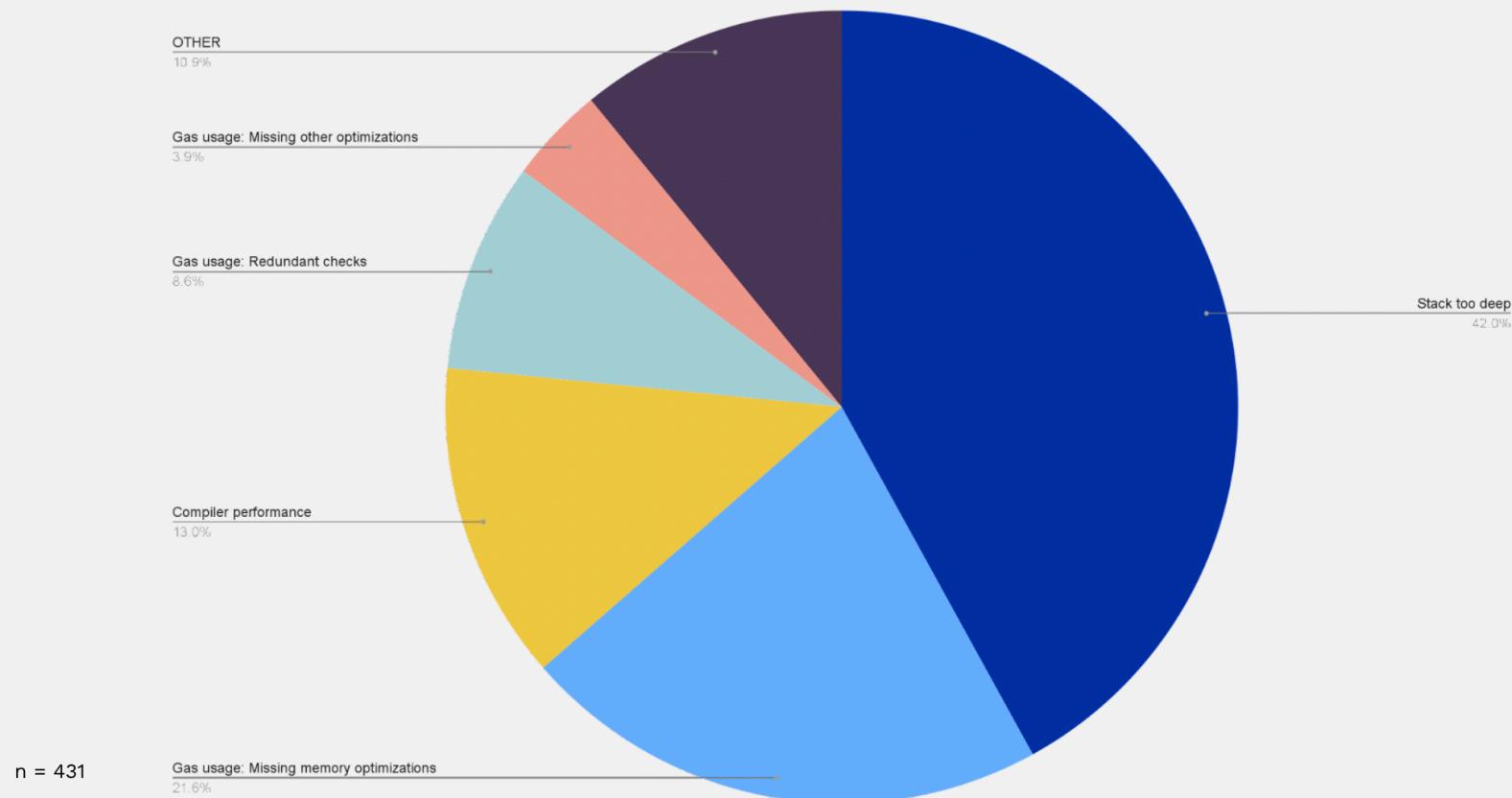
n = 442



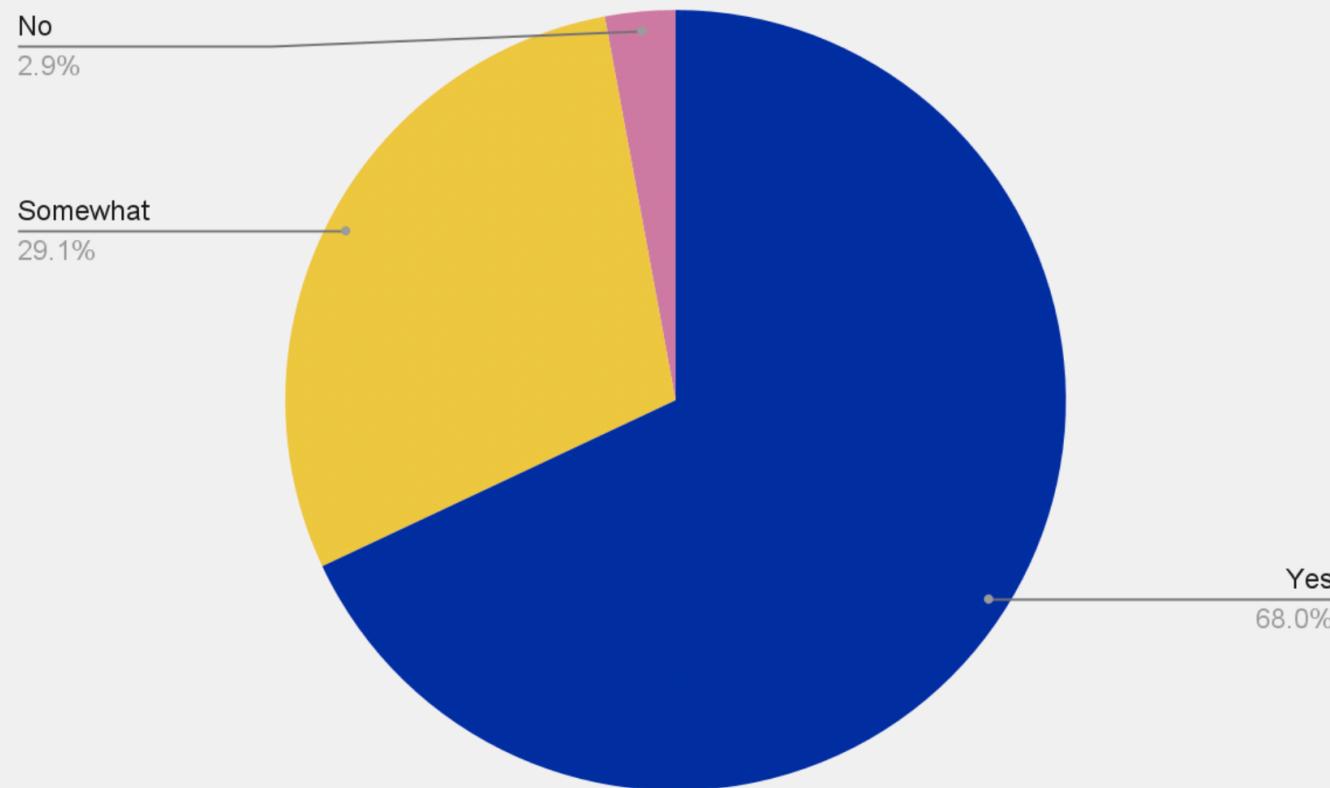
## Which Solidity feature do you like the most?



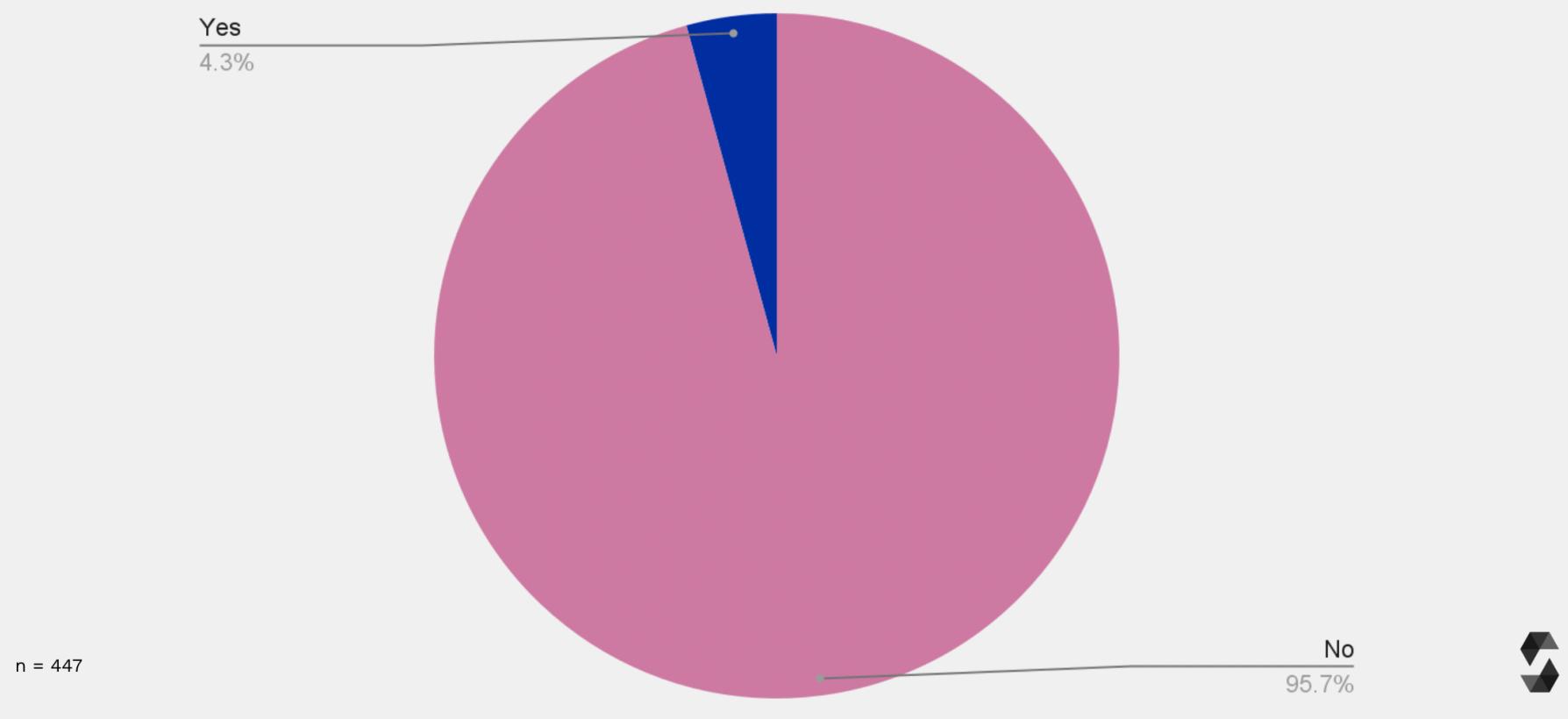
# What's your biggest pain point with Solidity currently?



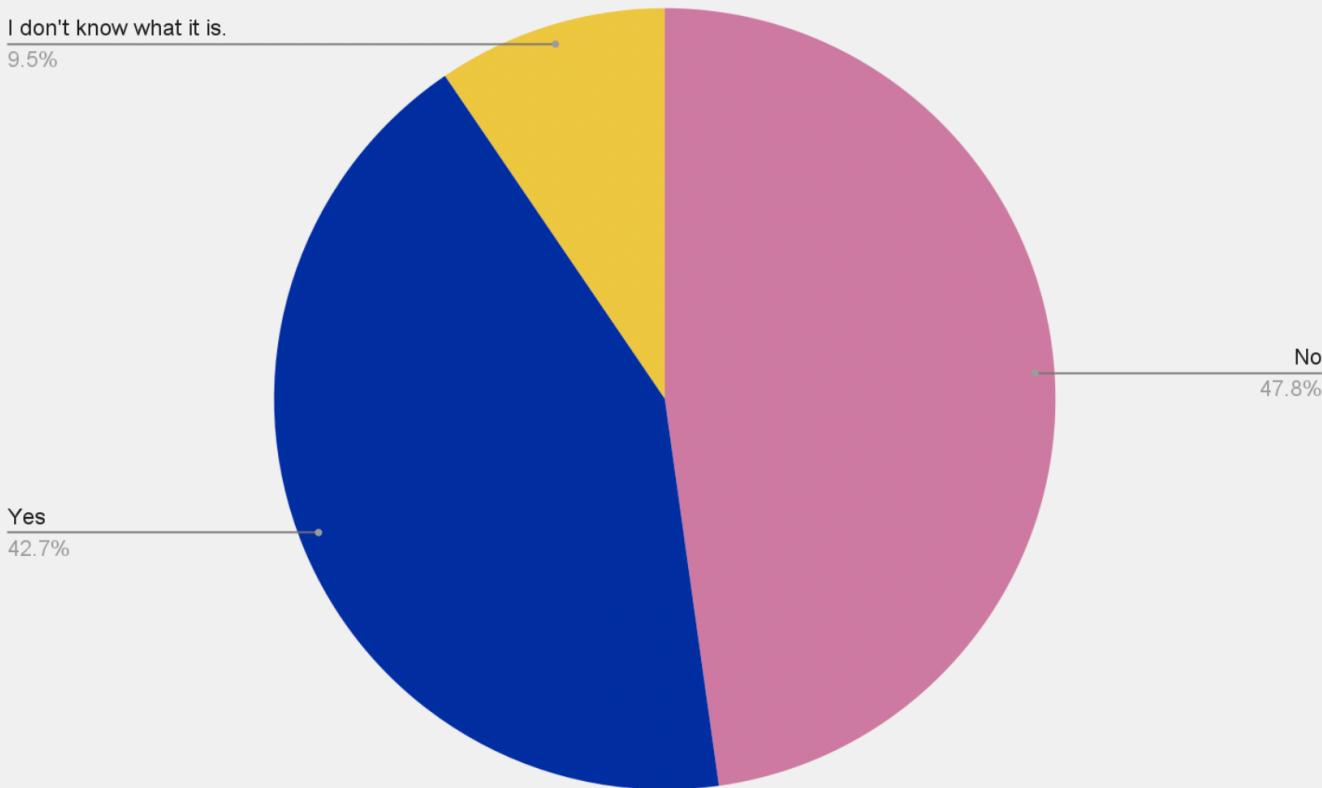
## **Do you find the official Solidity documentation helpful?**



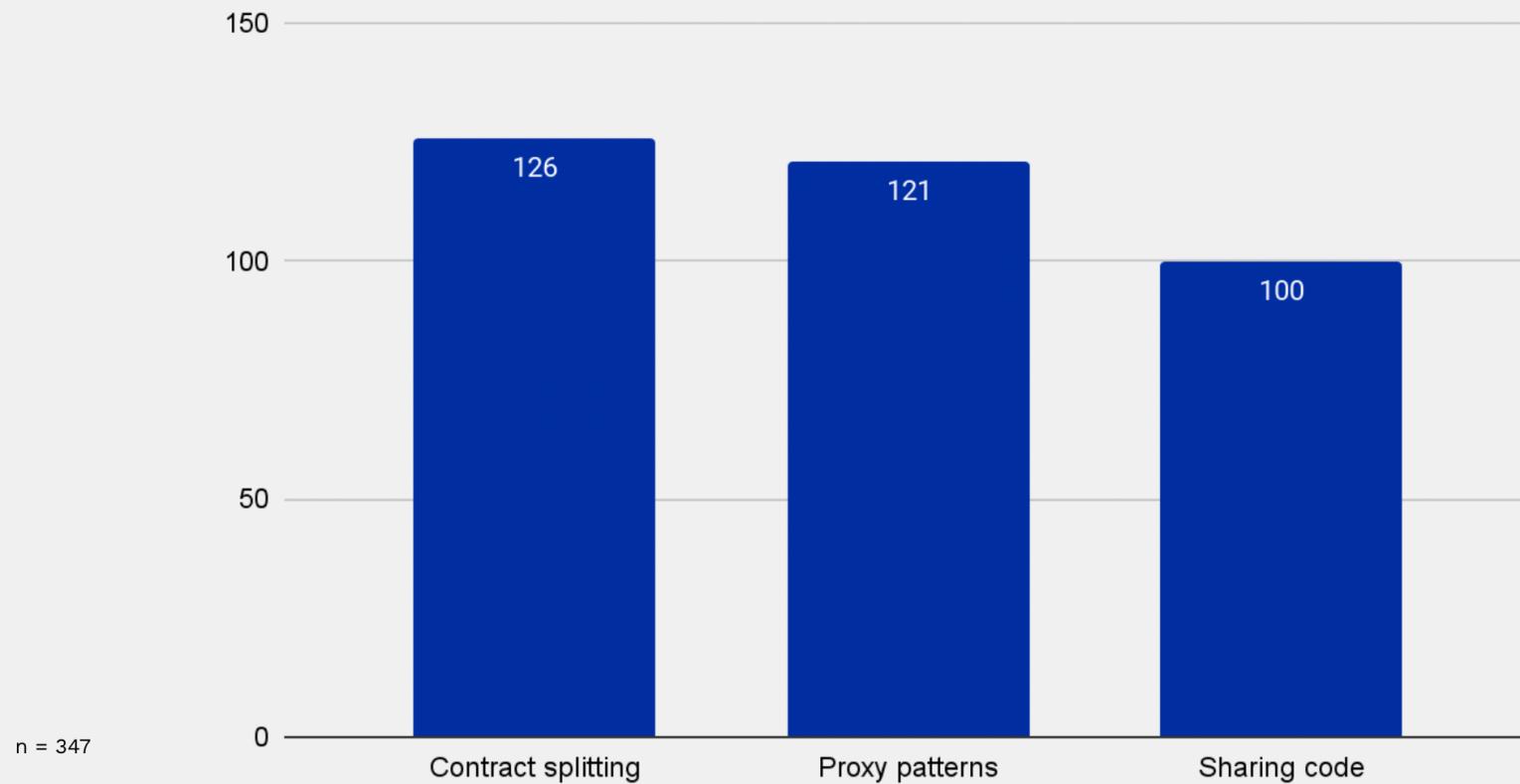
**Have you been affected by any of the high impact compiler bugs (i.e. the ones reported on the Solidity blog as "security alert")?**



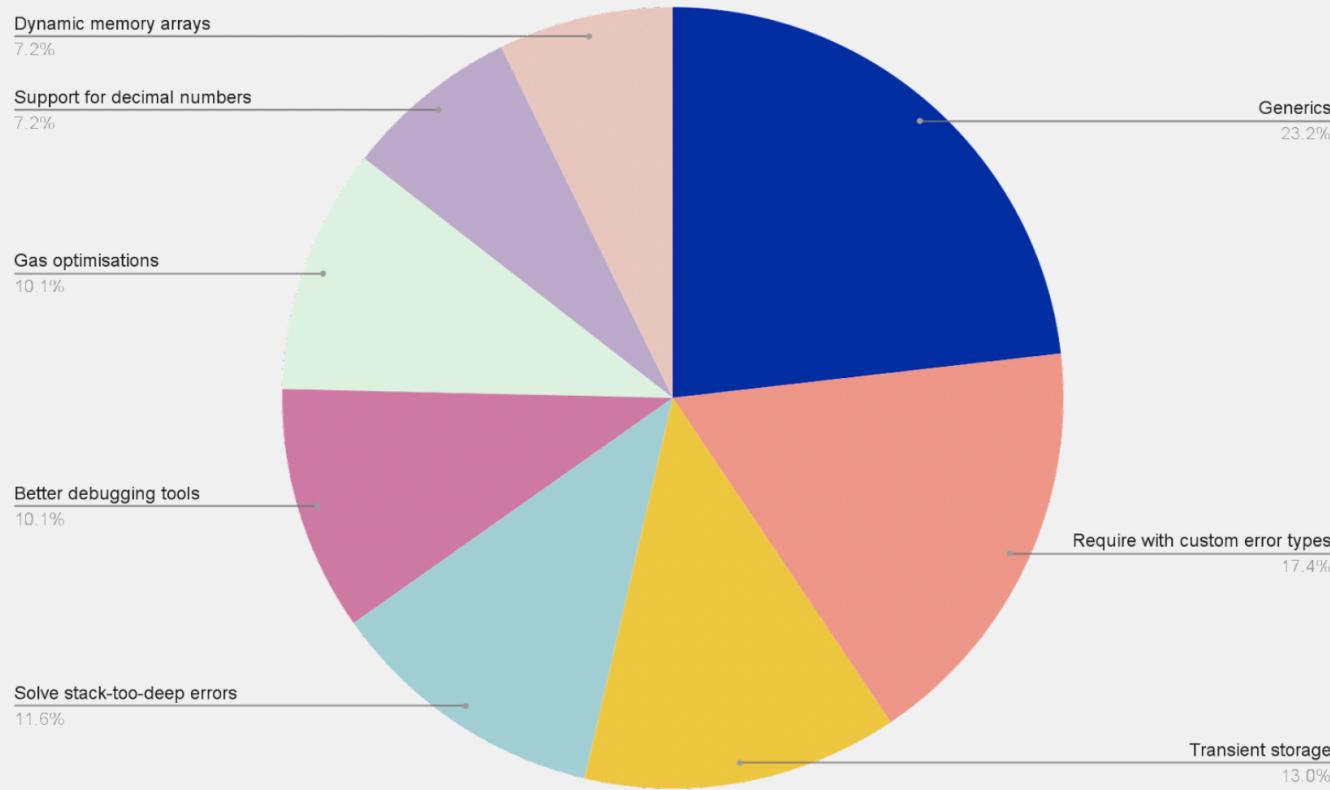
## **Do you use external libraries ?**



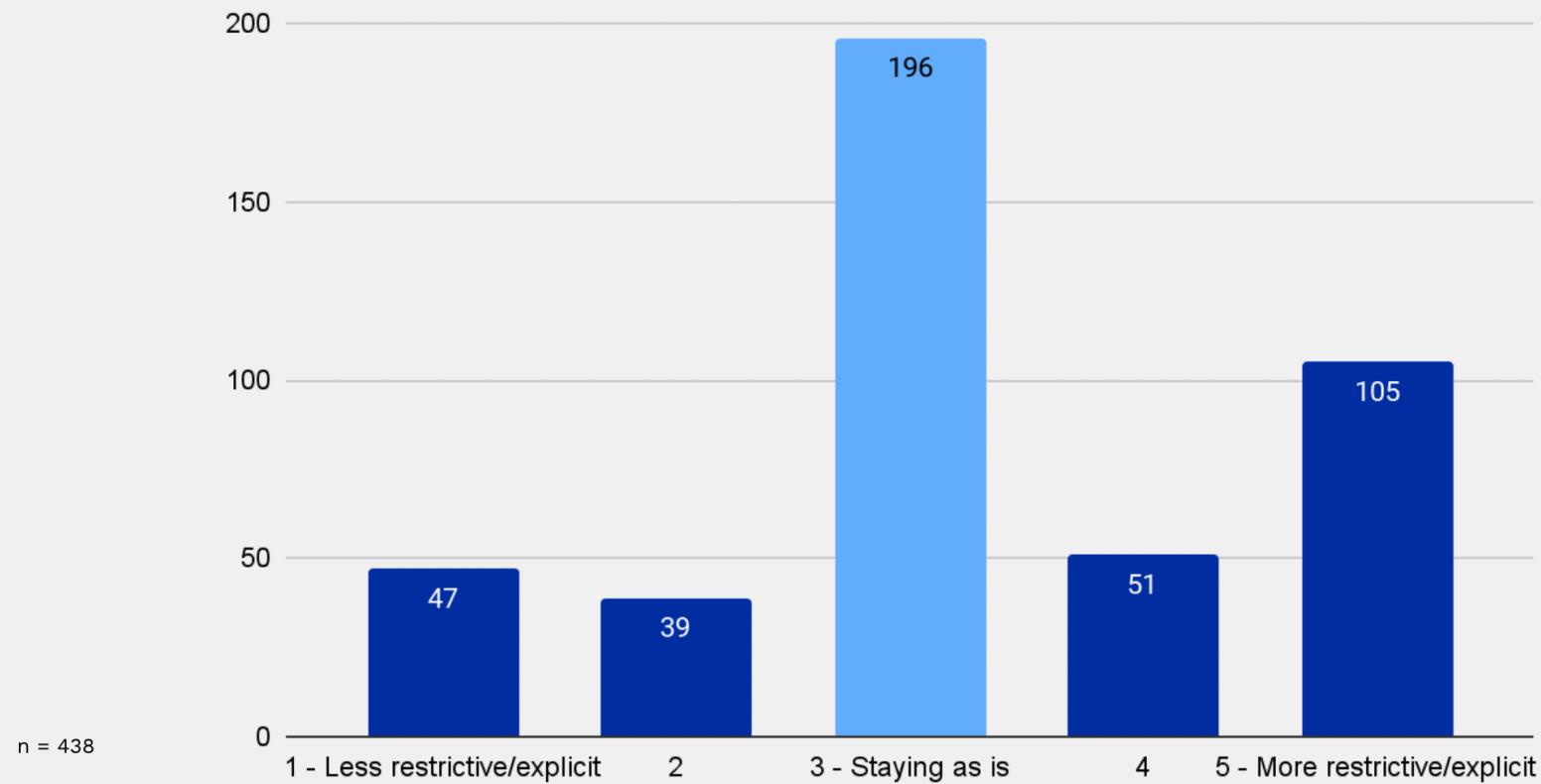
## What do you use external libraries for?



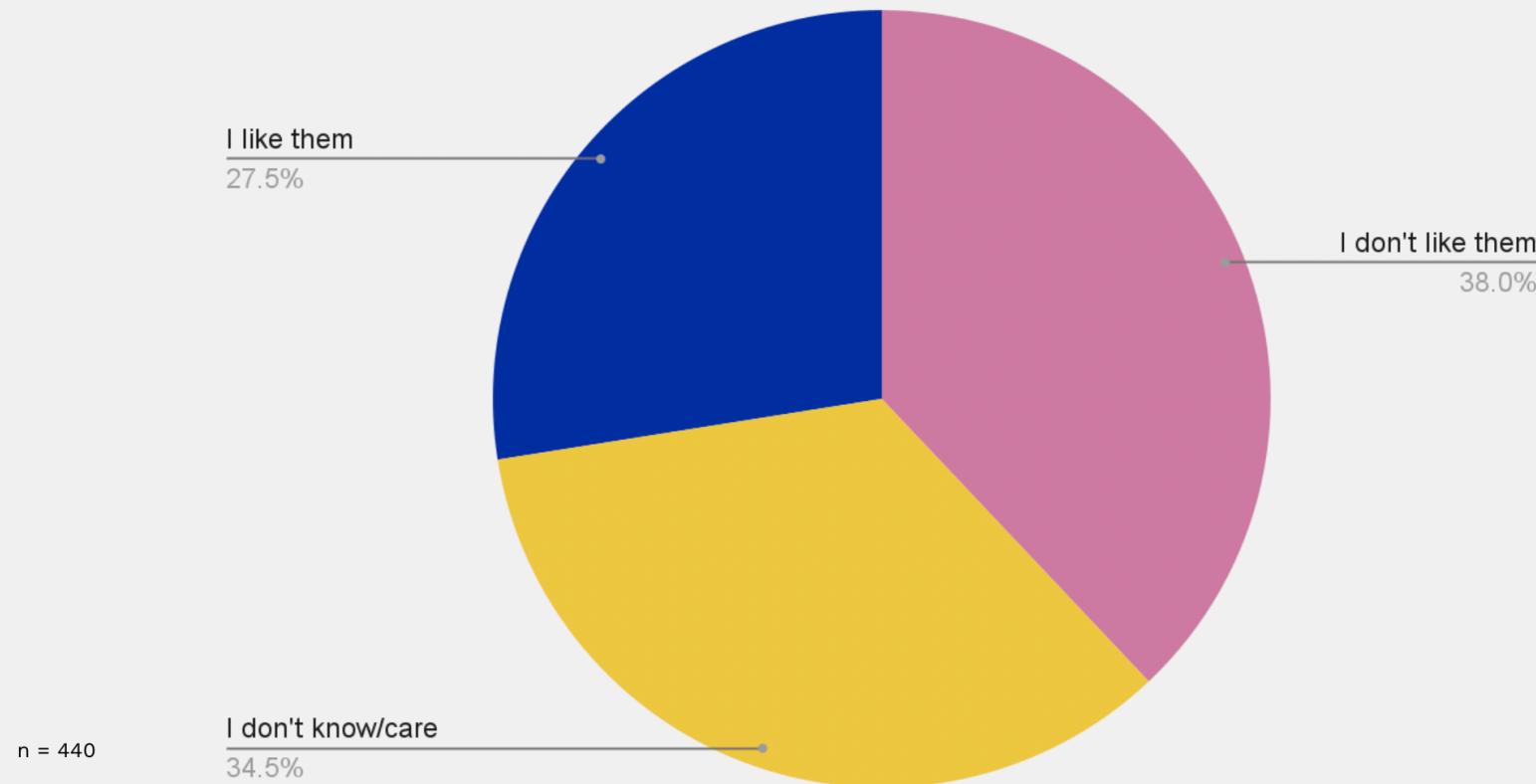
## What's the most anticipated feature you'd like to see in Solidity in the near future?



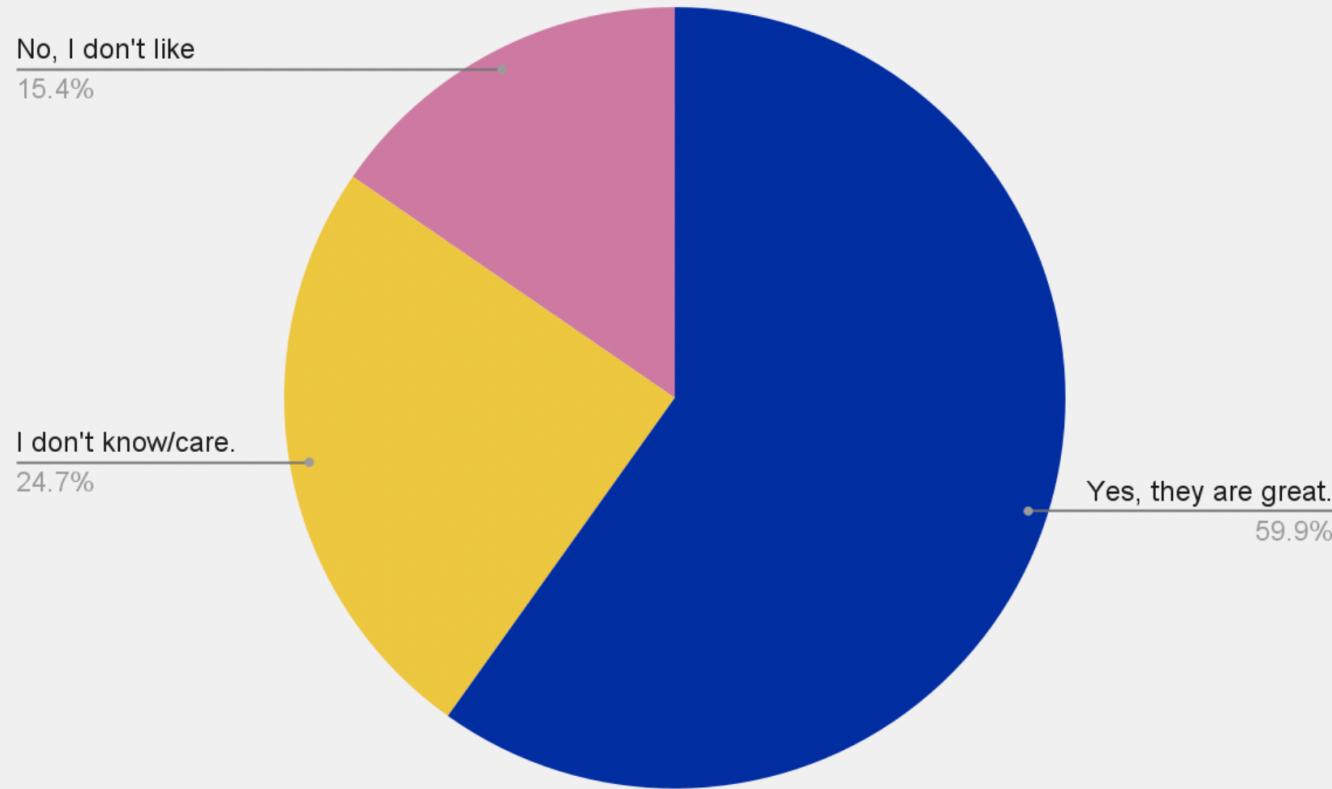
**Would you like Solidity to become less or more restrictive/explicit, e.g. having fewer checks vs. more checks?**



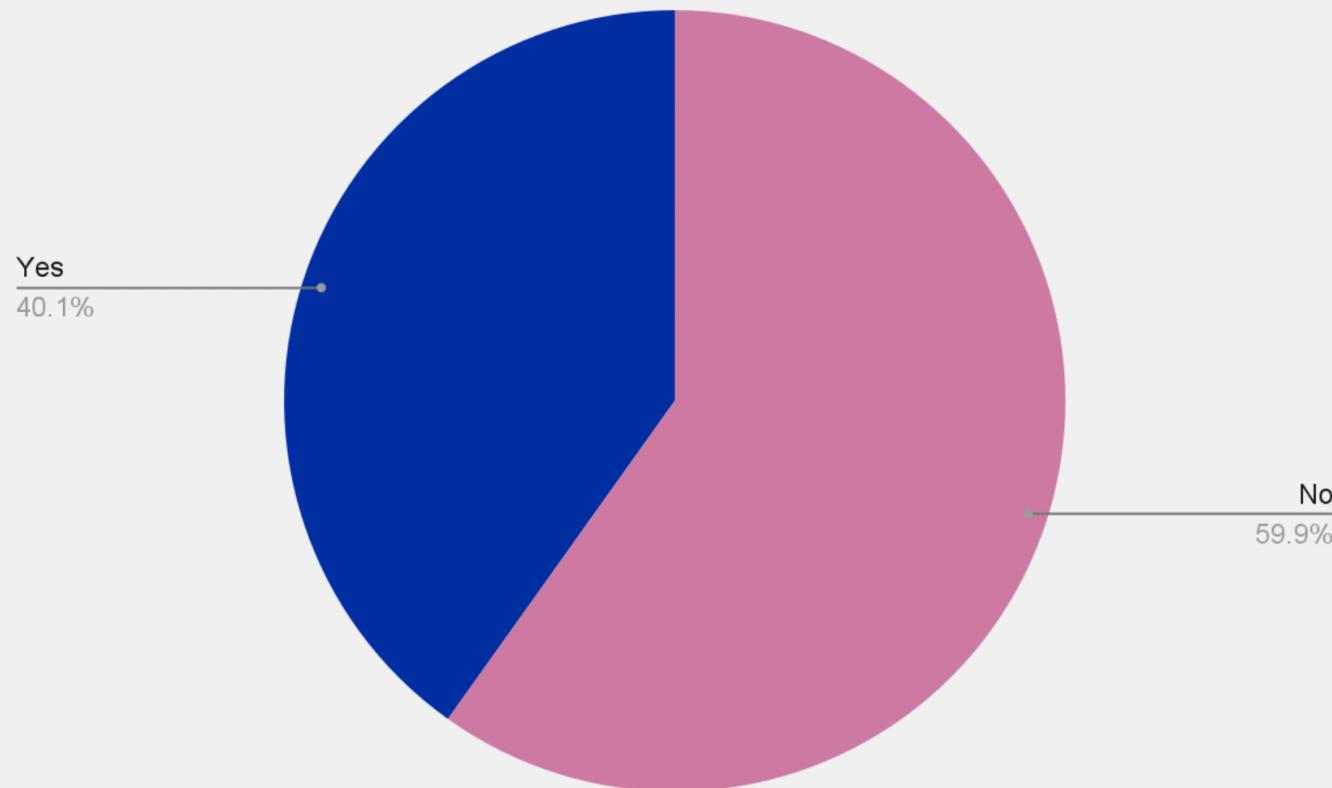
## What do you think about postfix types?



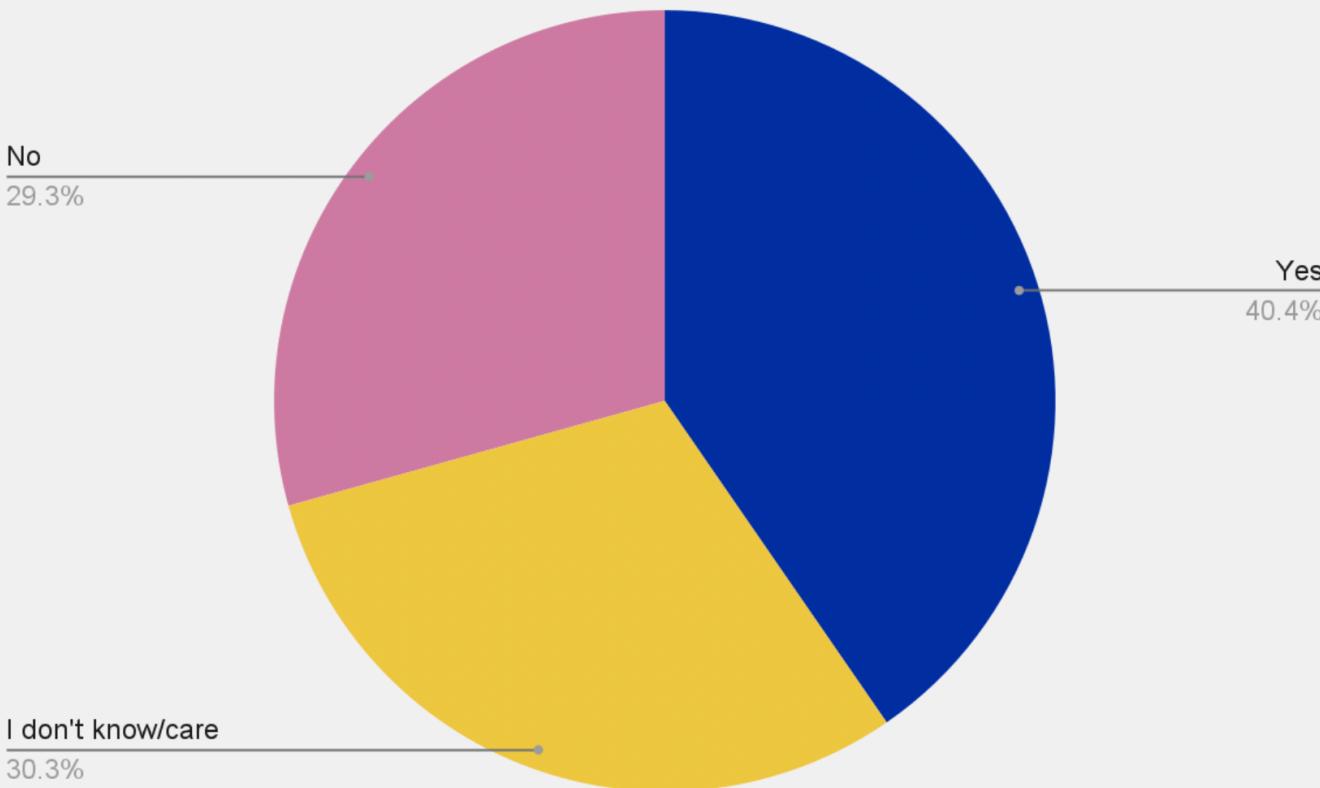
## Are you looking forward to more functional elements in Solidity (like Lambda functions)?



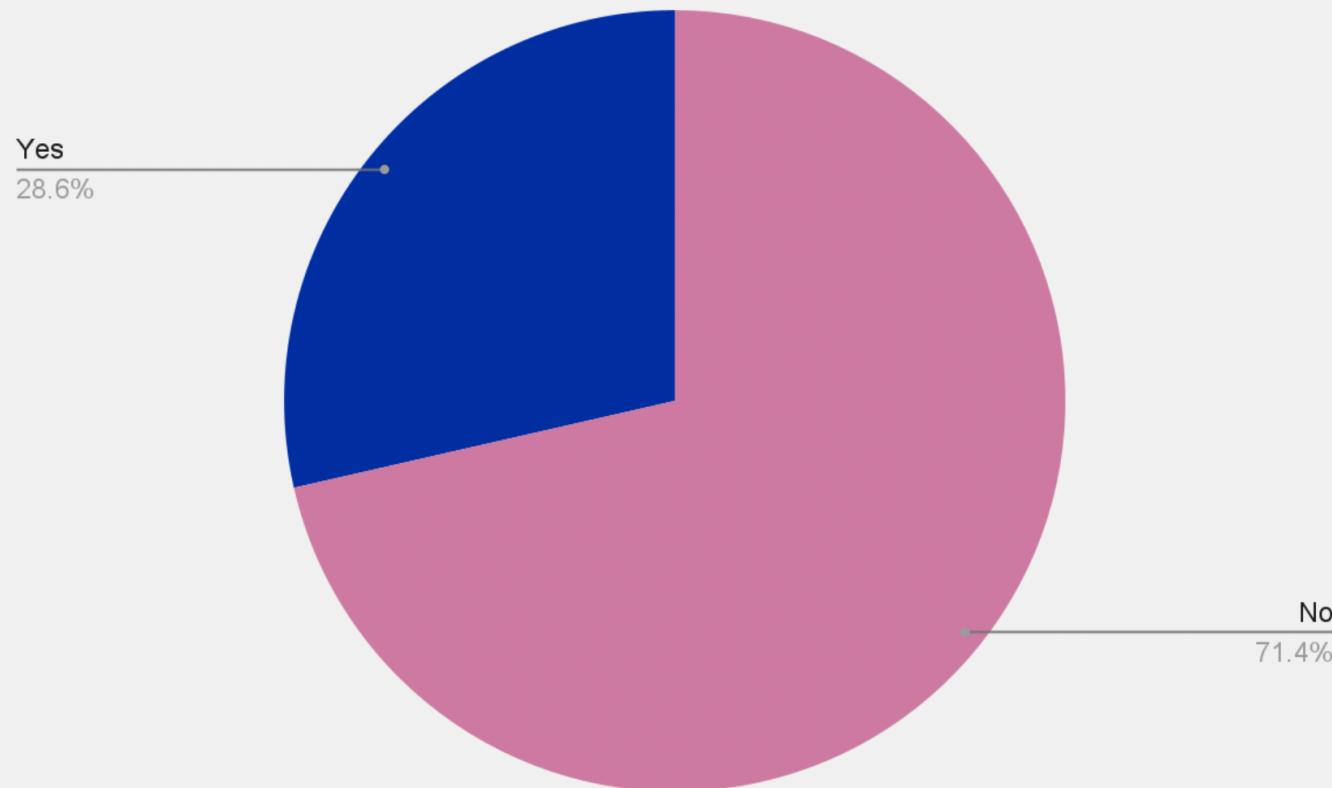
## **Do you know what Transient Storage (EIP 1153) is?**



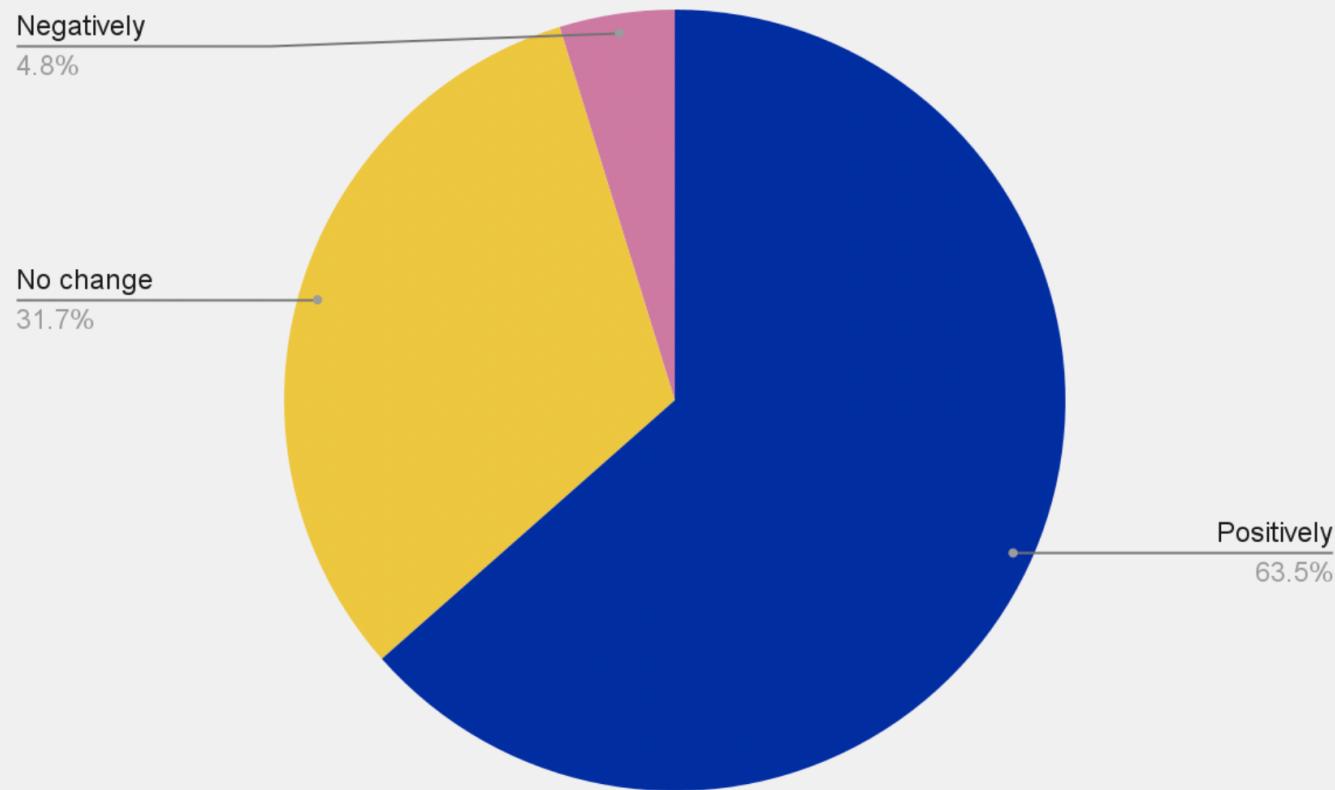
## **Do you think you will need complex types in Transient Storage (like mappings & arrays)?**



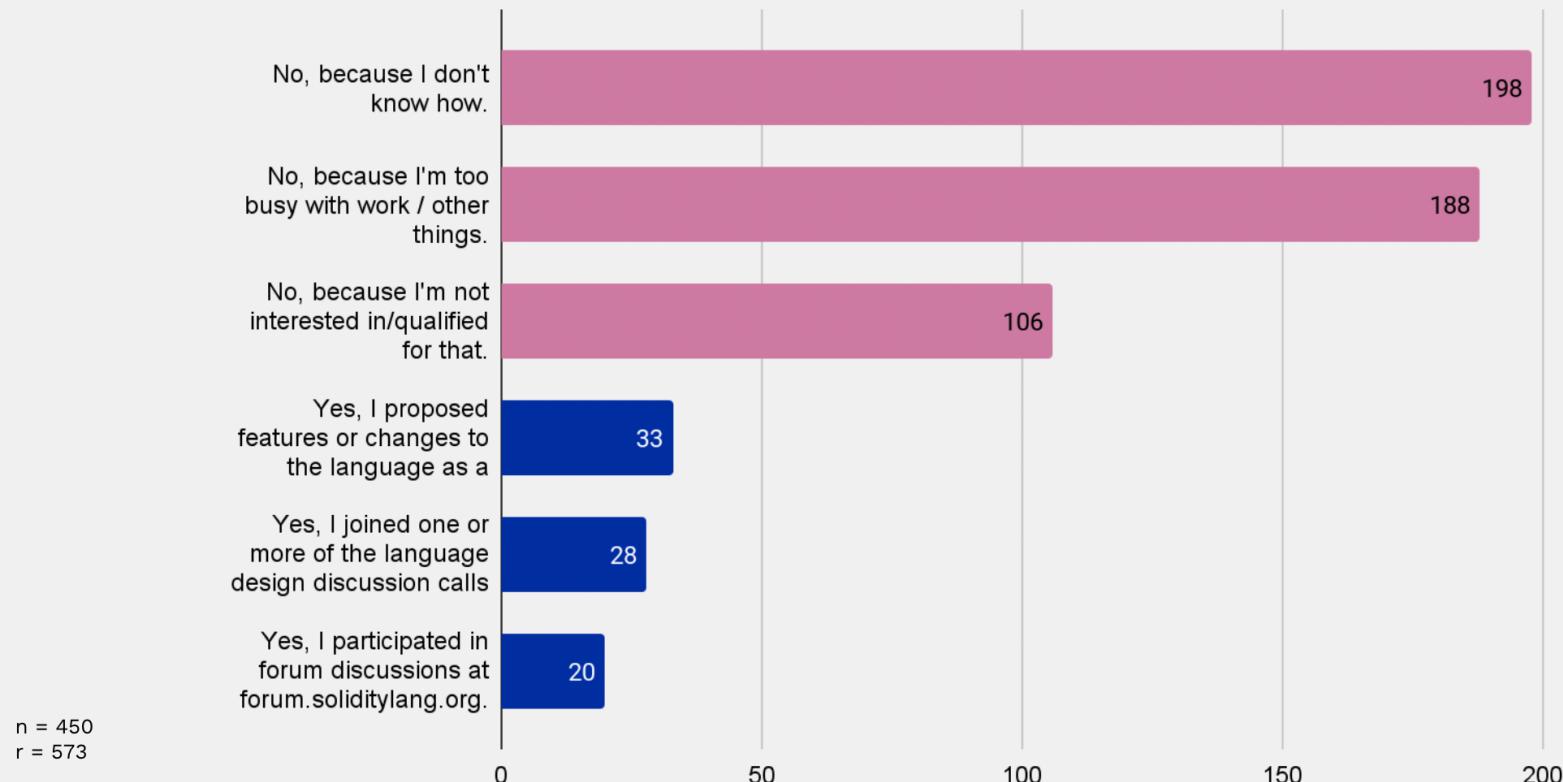
## **Do you know what Ethereum Object Format (EOF) is?**



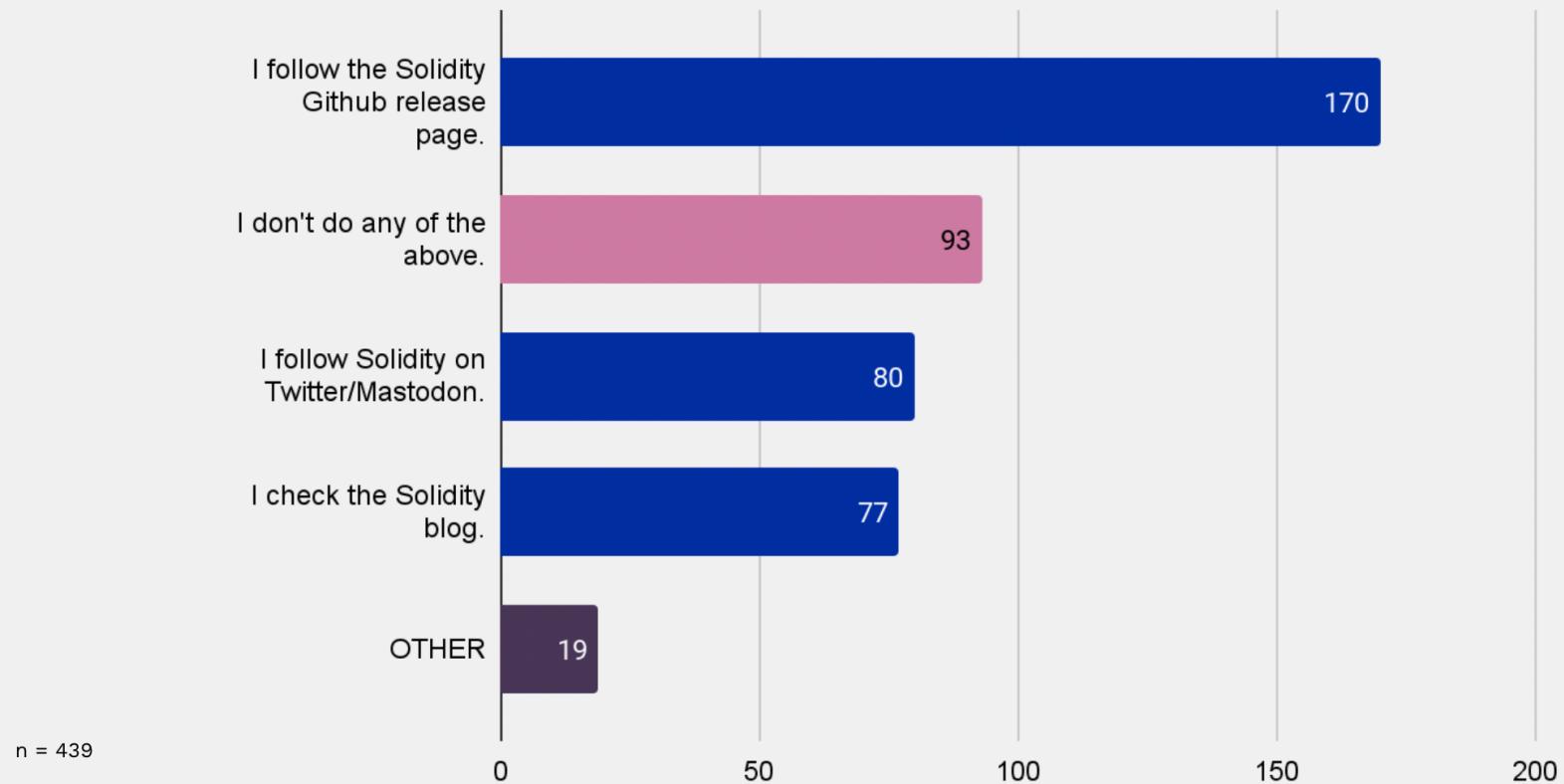
## **How do you think it will affect you as a developer?**



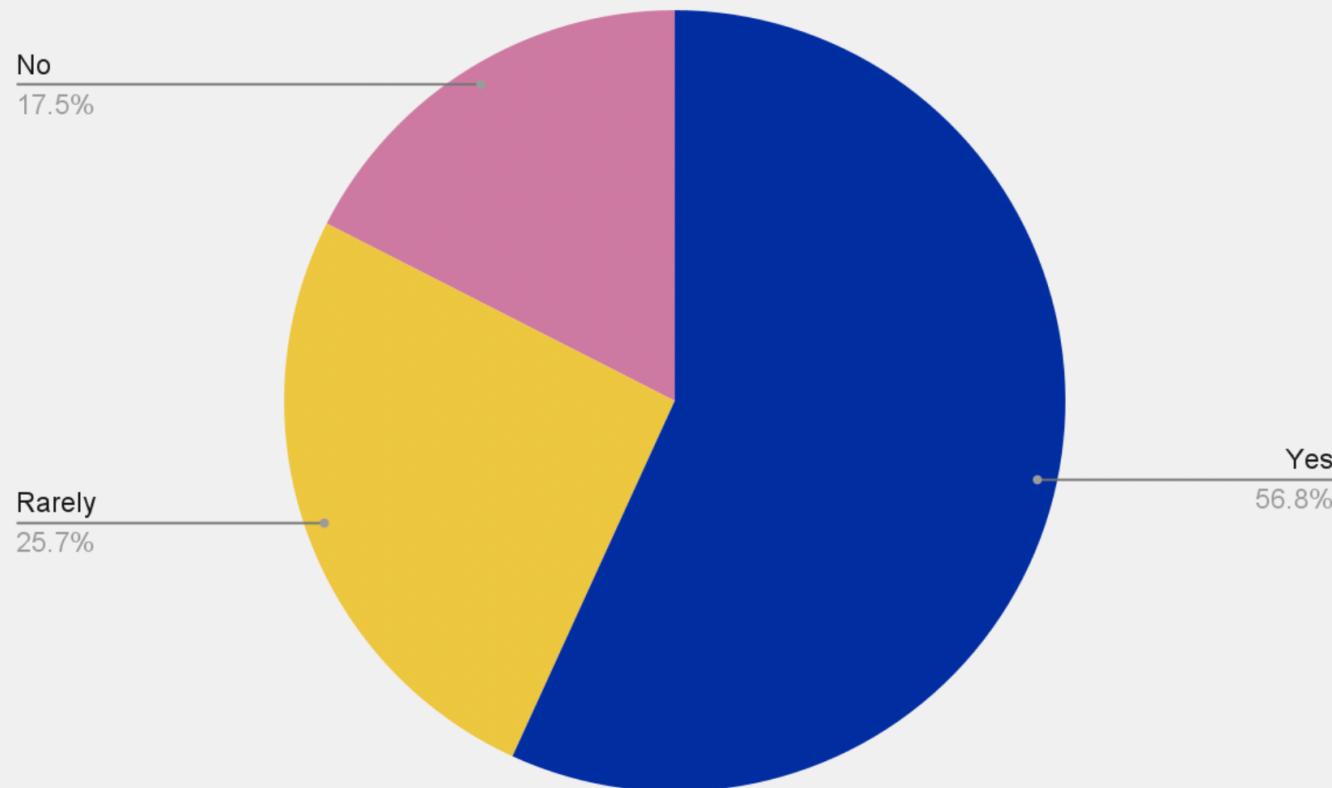
## Did you ever participate in Solidity language design related efforts?



## How do you stay up to date about Solidity versions, security alerts and announcements?

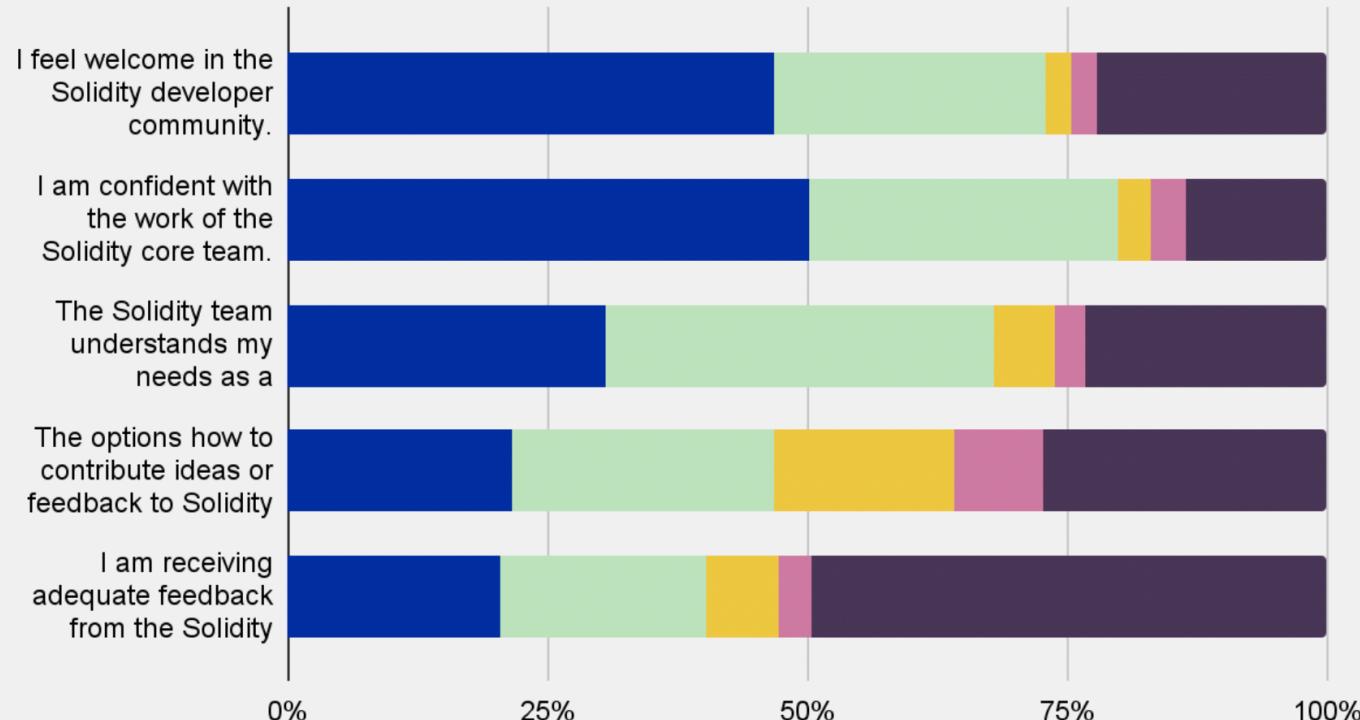


## **Do you interact with other Solidity devs?**



## To what extent do you agree or disagree with the following statements?

■ Agree ■ Somewhat agree ■ Disagree ■ Strongly disagree ■ I don't know



n1 = 391  
n2 = 389  
n3 = 384  
n4 = 384  
n5 = 383

