

Figure 1: woot woot

## 1 Hello its me

abcdefghijkl

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**Algorithm 1** Calculate  $y = x^n$

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**Require:**  $n \geq 0 \quad x \neq 0$

**Ensure:**  $y = x^n$

```

 $y \leftarrow 1$ 
if  $n < 0$  then
     $X \leftarrow 1/x$ 
     $N \leftarrow -n$ 
else
     $X \leftarrow x$ 
     $N \leftarrow n$ 
end if
while  $N \neq 0$  do
    if  $N$  is even then
         $X \leftarrow X \times X$ 
         $N \leftarrow N/2$ 
    else { $N$  is odd}
         $y \leftarrow y \times X$ 
         $N \leftarrow N - 1$ 
    end if
end while
```

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more more more and more as it happens yeppers

## 2 Another one

Hey hey hey i'm on vacay