your special pdf

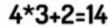
what's modular arithmetic?

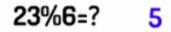


find the smallest non negative number m such that x-m is multiple of y

math behind modular arithmetic







∠cyclic

in the previous example num%5



0123456789

0123401234

you can easily see that if we want num%x our mod range from 0 to x-1



a%c in range 0 to c-1 b%c in range 0 to c-1