## Ints

## Representation:

- Binary
- Two's Complement
- ullet Hexadecimal

## Division and Modulus:

• Division is floored

## Notes:

- Finite memory for infinitely many integers
- $\bullet$  Arithmetic overflow (after max is -, before min is +)
  - when dividing Integer. Min by -1  $\,$
  - in multiplication, addition, subtraction