## C\* Integers and Pointers

- C\* integers are unsigned 64-bit integers
- In C\* there are five arithmetic operators: +, -, \*, /, %

• And six comparison operators: ==, !=, <, <=, >, >=

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- C\* pointers are 64-bit pointers to C\* integers
- And pointer arithmetic: +, -

## C\* versus C Integer Literals

- C\* integer literals are unsigned 64-bit
- C integer literals are signed 32-bit
- For example, 1/-1==0 in C\* but 1/-1==-1 in C
- And, 1%-1==1 in C\* but 1%-1==0 in C
- Also, 1<-1 and 1<=-1 hold in C\* but 1>-1 and 1>=-1 do not whereas the opposite is true in C
- The semantics of / and % as well as <, <=, >, and >= is different for signed and unsigned integers!

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