https://www.geeksforgeeks.org/int_max-int_min-cc-applications/ We use the knowledge that upper bound of int is 2147483647. We also know that if an int n'is power of 3, its prime factorization is n= 3 where x is some integer! However, it must be said that 3x < 2/47487647. Di iding upper bound of int by 3 multiple lives reveals that largest x that Still allows 3 < 2147483647 is x = 19 3=1162261467. int main () { L'ASSum user inputs n correctly. coll < milage to over to put in A traille at << n as low te and as coust.

dethe 3 as low te and as coust. if 319 % = = 0 Prime fretskzation return true ONLY include 3. else return fælse

Det function over loading is when you have functions of same name but have different inplut parameters. Est example, you can have the following in the same off file! Voik Volume (double V); Voit Volume (double Crosssectionareer double length); Void Volume (double length, double width, double height) Void volume (double v) { Cout <5 V (<eml) Joil Volume (double Crosssectionarea double length)
Cout < length & crosssection area zeeml;

Void volume (clouble leagth, double width, double height) =

ant < length & width & height < end!; Mean utile Claration Overniding is when you can use a function of the base class in a derived class. An example of this is the area function described it keture. The base class Dy Nazarian mentioned was shape but le also had derived classes like trangle. In boss class he had area but he also Uşul area in toki anyle class. This way, Dr. Nazarian mentions that if you needed to make a now feature that your boss asts, it is much earlest flexible to fix code since you just need to change veference of base class in what uses

to perhaps another derived class that uses Sauxe redefined function of base class. Some similaites & differences; 1) Overloading doesn't need to inherit something from a parent lass where overpiding does. 2) Overbading functions can belong in the Same scope (e.g. Iht man) but not necessarily overniling ones. 3) Over bading must have different imput params while overriding what have sand. Plenge see comments in code. 3 (hack for if gufile is there if ((V file has confert, it every now has 1 a b 1 and only once, etc.

LIV 1° all a, b, c and only once, etc.