Multiplication $\frac{1}{529}$ $\frac{1}{5290}$ $\frac{1}{5290}$ $\frac{1}{5290}$ $\frac{1}{5290}$ $\frac{1}{5290}$ $\frac{1}{62}$ $\frac{1}{62}$ runtime of gradeschool mult. notice you have to do n·m single digit to add the n resulting numbers together,
min single digit additions
more man is here a fester alg.

Masn t been proven

Divide and Conquer Multiplication X= 28088990 y= 26715635 n < 8 multiply (x,y,n) if n=1: return X.y # get smaller numbers (fewerdig its
Call multiply on those
use result to get x y

= 28088490 . 26715635 = (2808·104+8990) · (2671·104 + 2635) M=5 = 2808.2671 (108) 8990.2671.104 +2808.2635.104 + 8990.2635 = 2808·2671·108+ (8990·2671)+2308. +899002635 = multiply (a, c,m) 15m + (Multiply (b,c,m) + multiply (agas) -+ multiply (Adim)