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Integer division
Definition: XiJ @ 2/ and X # 0
 x divides. to j. OR x was divider to y
         x/y-> y=9.x ]=9=2/
 3/12 \Rightarrow 12 = 3 \cdot x
                             1 ×€ 2/
                            7.y = 2/
 3/10 >> 10=3.5
Theenen;
 1. 7 1 9
 u = a + b, -a + b
       alb => albx \forall \forall \times \in \forall \tau.
        alb and blc => alc
             Proof
b = a. \times J \times e 2I 
c = b. y
c = a. \times J \times e 2I 
c = a. \times y
c = a. \times y
alc
```

If all old \Rightarrow $\alpha = 7b$ If $\alpha = 10b$ If α

Theorem (Division algorithm)

X and J E 21 to be condition y \$0.