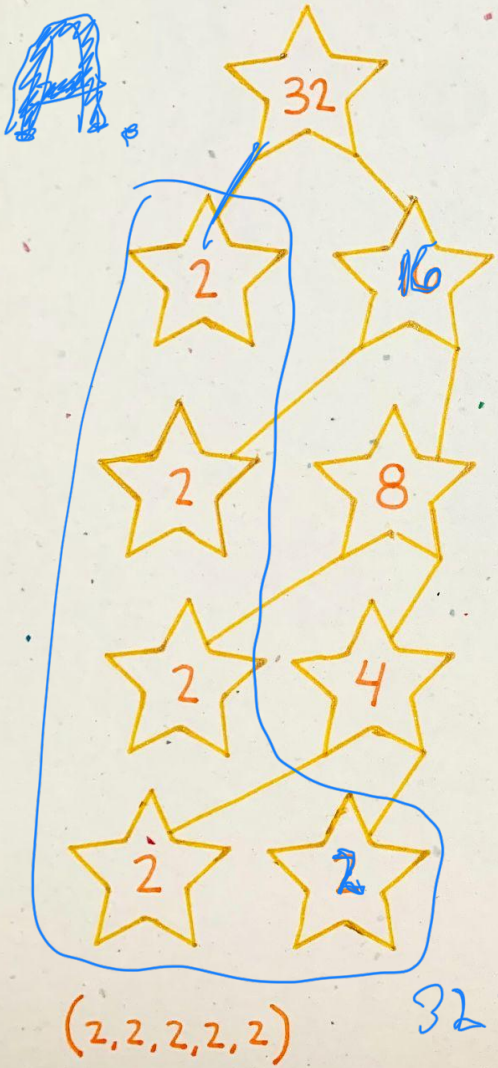
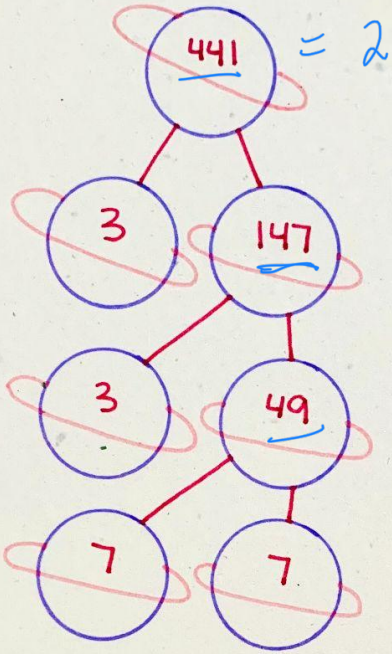


(2,2,2,2,2)

$32 = 2^5$

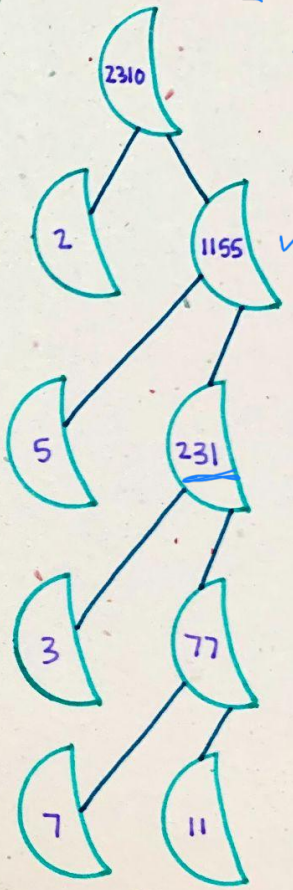


$= 21 \cdot 21$

(3,3,7,7)

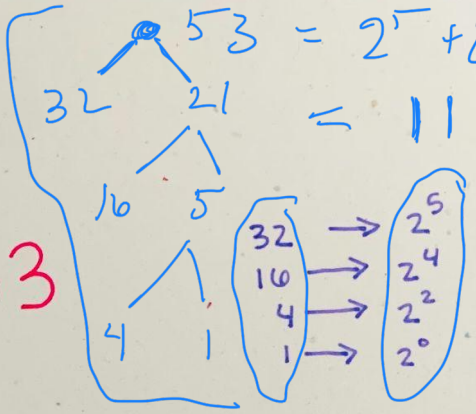
$441 = 3^2 \cdot 7^2$

2310 = 2, 3, 5, 7, 11



(2,5,3,7,11)

B.



1. 53 → $2^5 + 2^4 + 2^2 + 2^0$

2. 49

$32 \rightarrow 2^5$
$16 \rightarrow 2^4$
$1 \rightarrow 2^0$

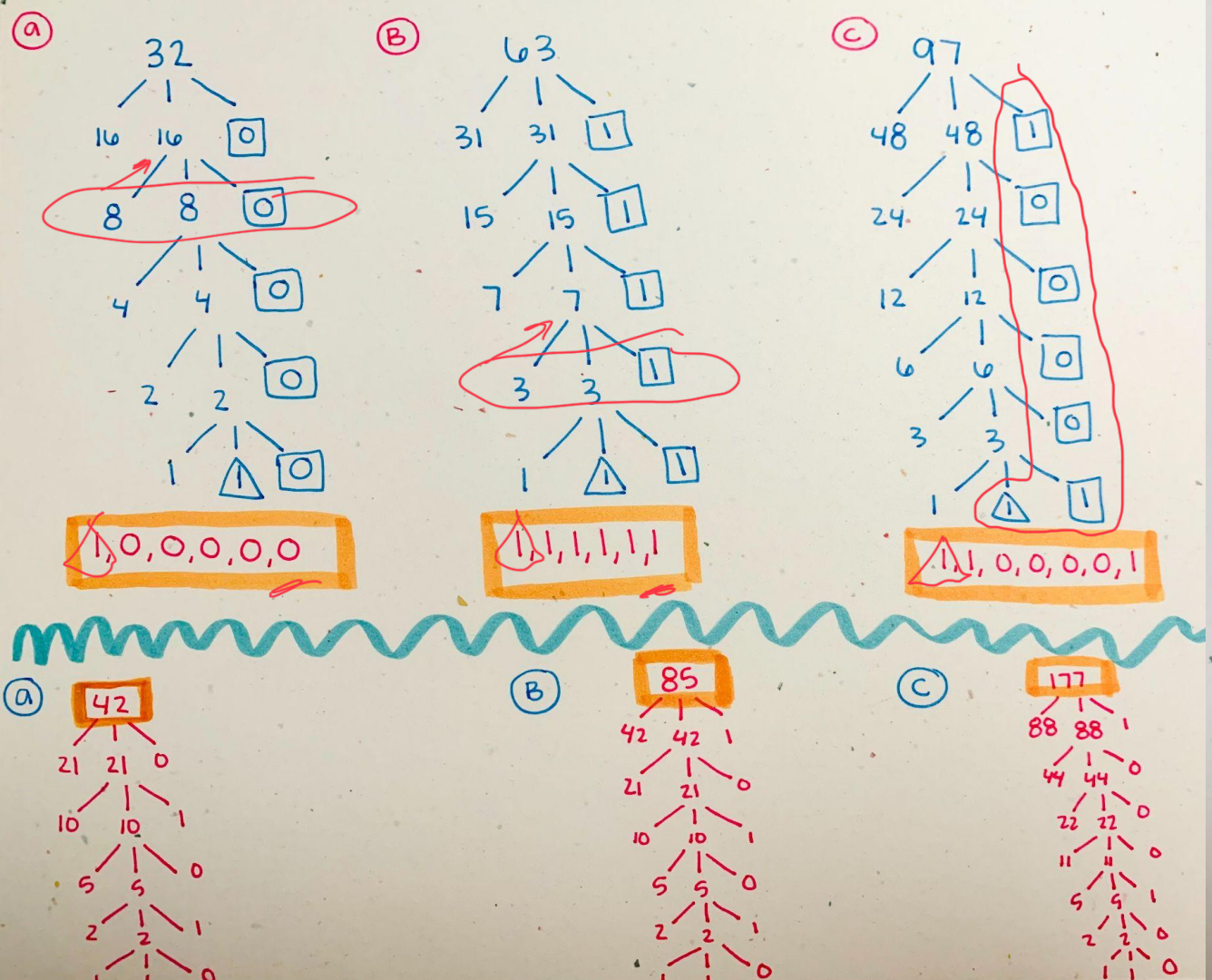
→ $2^5 + 2^4 + 2^0$

3. 31

$16 \rightarrow 2^4$
$8 \rightarrow 2^3$
$4 \rightarrow 2^2$
$2 \rightarrow 2^1$
$1 \rightarrow 2^0$

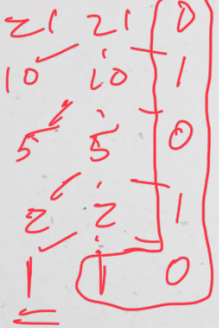
→ $2^4 + 2^3 + 2^2 + 2^1 + 2^0$

4,2



c.

1.



a. 1, 0, 0, 0, 0, 0

b. 1, 1, 1, 1, 1, 1

c. 1, 1, 0, 0, 0, 0, 1

2.

a. 42 ✓

b. 85 ✓

c. 177 ✓