$$\begin{array}{cccc}
1 & 1 & -2 & n \\
1 & 1 & -2 & i \\
2 & 1 & -2 & i \\
2 & 2 & 2 & 2 \\
2 & 2 & 2 & 2
\end{array}$$

$$\begin{array}{cccc}
2 & 2 & 2 & 2 \\
2 & 2 & 2 & 2
\end{array}$$

$$\begin{array}{ccccc}
2 & 2 & 2 & 2 & 2
\end{array}$$

$$2^{1} + 2^{1} + 2^{3} + 2^{4} + 2^{5} - - - \cdot \cdot \cdot 2^{20}$$

$$= 2^{21} - 2$$

$$= 2307150$$

$$\frac{2^{0} + - - - 2^{n} = 2^{n+1} - 1}{2^{n} + - - + 2^{n} = 2^{n+1} - 2}$$

U6, 2016

Ulsh = { 0 , 1 = 0 4 loh (1-1) + kleh(i) 9 11 1 7 2 8 3

lelsh (y)

U(54(0) = 0 $U(54(1) = 0 + 1 \times 2 = 2$ $U(5h(1) = 2 + 2 \times 3 = 8$ $U(5h(1) = 2 + 2 \times 3 = 8$ $U(5h(3) = 1 + 3 \times 4 = 20$ $U(5h(5) = 25 + 4 \times 5 = 40$ $U(5h(5) = 45 + 8 \times 6 = 70$ $U(5h(5) = 18 + 8 \times 7 = 18$ $U(5h(7) = 118 + 8 \times 7 = 174$ $U(5h(1) = 118 + 18 \times 7 = 174$ $U(5h(1) = 118 + 18 \times 7 = 174$

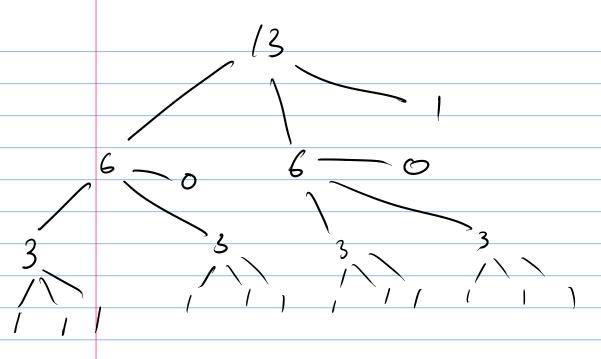
47, 2016 6=1,2,7,4,--acp 26 1 2 3 4 5 6 7 9 9 > Sund = 1 1 3 , 6 , 10 , 15 21 28 36 48 13]-2 13+66

[prjunlahan B [/ (leli)

Selelunnya? a= 13+5+

= Cf nlaishhr 3 =15 Brahhy jud djuntch be 12-14 Nimulyno1 = at lot

49,2016 $\frac{1}{\sqrt{y^2}}$ $\frac{1}{\sqrt{y^2}}$ $\frac{y^2}{\sqrt{y^2}}$ $\frac{y^2}{\sqrt{y^2}}$ $\frac{y^2}{\sqrt{y^2}}$ $\frac{y^2}{\sqrt{y^2}}$ 2 fast exponentiation population to cepat ab = fy ([=1, icb; ++) (Planplehs. 205 = 0(N) Con jury lobih upar = fost exporentiation 0 (log N) $a = a \times a \qquad a = a \times a \times a \times a$ a=axa a=a x a b|2 x a b|a b gun jil a 20



$$21 = 3 \times 7$$

 $Suay(x^{9}(07) = 3)$ / $Suay(x/7) \cdot 7 = 7$
 $Suay(x/7) = 1$
 $Suay(x/7) = 3$
 $x = 7 - - 13$
 $x = 3 = 10$
 $x = 10$