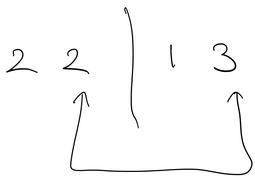
R-697

Monday, 25 January 2021 19:47

$b_1 \dots b_n$

regular 1
important 2

$a_1 \dots a_n$ (size)



$a_1 \dots a_n$ follows guide k

1 3 1 2

1 1 2 3

$\binom{1}{2} = 2$

1 1 1 1

$\binom{2}{4} = 6$

1 1 0	0 0 0		1 1 0
0 0 1	⊕ 0 0 0	=	0 0 1 ←
1 1 0	0 0 0		1 1 0

1 0 1	0 1 0		1 1 1 ←
0 1 0	⊕ 1 0 1	=	1 1 1 ←
1 0 1	0 1 0		1 1 1 ←

2 14 42

2 2·7 2·3·7

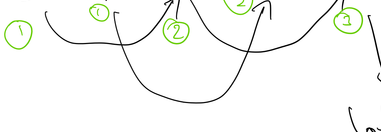
$2 \cdot 10^5$

2^{20} ?

1

3 7 9 14 63

3 7 3^2 2·7 $3^2 \cdot 7$



look at all divisors, from largest to smallest

$2 \cdot 3 \cdot 5 \cdot 7 \cdot 11 \cdot \dots$

$2 \cdot 3 \cdot 5 \cdot 7 \cdot 11 \cdot 13 \cdot 17 = 510510 > 2 \cdot 10^5$

$2^7 = 128$ divisors max

1 3 7 63