Prime number (মৌলিক সংখ্যা)

$7 \rightarrow 1, 7$

$12 \rightarrow 1, 2, 3, 4, 6, 12$

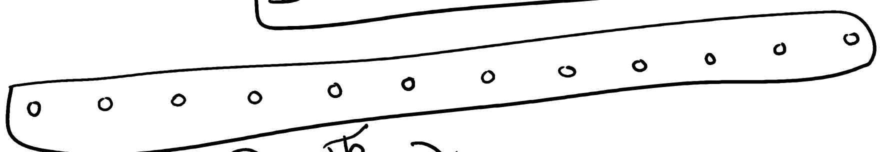
$6 = 1, 2, 3, 6$

$4 = 1, 2, 4$

$9 = 1, 3, 9$

$25 = 1, 5, 25$

$10^9 + 7$



জোড় বি

$P-1$, P, $P+1$

C 7 C

$2 \rightarrow 4$

$3 \rightarrow 9$

$5 \rightarrow 25$

Mersenne

$N = 12$

d	N/d
1	12
2	6
3	4

$\frac{N}{d} = x$

$\Rightarrow \frac{N}{x} = d$

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for(i=1; i≤3; i++)
  if(i is a divisor of 12)
    ↳ i, 12/i
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1, 12
2, 6
3, 4

$N = 7$

d	N/d
1	7

$N = 36$

d	N/d	Δ
1	36	35
2	18	16
3	12	9
4	9	5
6	6	0

$i \le \sqrt{n}$

$\Rightarrow i^2 \le n$

$\Rightarrow i \times i \le n$

d	N/d	Δ
1	⋮	
2		
3		
⋮		
x	N/x	0

$x = \frac{N}{x} \Rightarrow x^2 = N$

$\therefore x = \sqrt{N}$

997

d
2
3


2,996