

## Prime Factorisation

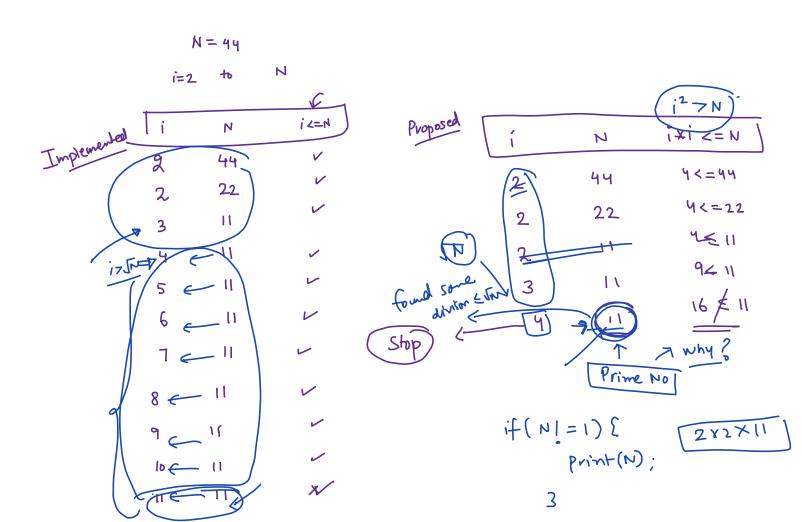
2	160	→ <i>P</i>
\ 2	80	30
J 2	40	72
(2	20	→ <i>N</i>
(2	lD	<b>→</b> ~
\$ 5	S	→ N
		-> Stop.

For (i=q; i<=N; i+t)
$$= \frac{2}{2}$$

$$= \frac{48}{24}$$

$$= \frac{48}{24}$$

$$= \frac{48}{24}$$



i N 
$$i^{2} <= N$$
 $4 <= 10$ 
 $3 > 5$ 
 $4 <= 10$ 
 $5 > 6 <= 10$ 

$$\begin{array}{c} 20, 25 \\ \hline 25, 25 \\ \hline 20, 25 \\ 20, 25 \\ \hline 20, 25 \\ 20, 25 \\ \hline 20, 25 \\ 20, 25 \\ \hline 20, 25 \\ 2$$

GCDGHCF

min(a,b)
Steps
Pen & Paper
Pen & Paper

i= 2 \_\_\_\_ min(a,b) La find largest i mat divides both R & b.

$$0 = 25$$

$$b = 70$$

$$g(d(25,70)) = g(d(20,125)) = g(d(5,120))$$

$$= 9cd(5,20)$$

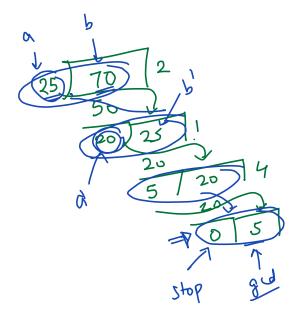
$$= 9cd(0,5)$$

$$= 3cd(0,5)$$

$$= 3cd(0,5)$$

$$= 3cd(0,5)$$

$$= 3cd(0,5)$$



$$\frac{g(d(a,b))}{g(d(b)/09, a)} = \frac{g(d(a',b'))}{g(d(b)/09, a)}$$

$$\frac{\uparrow}{f} = \frac{1}{a = -0}$$
rehurn  $b$ ;