

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
2	x		x		x		x	-	x		x		x	-	x		x		x	-	x		x	-	x
3	x	-		x		-	x	-		x		-	x	-		x		-	x	-		x	-	-	
4		x		-		x	-	-		x		-	-	x		-		x	-	-		x	-	-	
5		x	-		-	-	-	x		-		-	x	-		-		x	-	-		-	x	-	
6		x		-	-	-	-		x		-	-	-		x		-	-	-		x	-	-		
7			x	-	-	-	-		-		x	-	-		-	-	-	x	-	-		-	-		
8			x	-	-		-		-	-		x		-		-	-	-		x	-	-			
9			x	-		-		-	-		-		x		-	-	-	-	-	-	-	-	-		
10				x		-		-	-		-		-		x	-	-	-	-	-	-	-	-		
11					x	-		-	-		-		-		-	-	-	x	-	-	-	-	-		
12					x		-	-	-		-		-		-	-	-	-		x	-	-	-		
13						x	-	-	-		-		-		-	-	-	-	-	-	-	-	x		
14						x	-	-	-		-		-		-	-	-	-	-	-	-	-	-		
15							x	-	-		-		-		-	-	-	-	-	-	-	-	-		
16									= prime number		x		-		-	-	-	-	-	-	-	-	-		
17								-	= not factor of top row N			x		-		-	-	-	-	-	-	-	-		
18								x	= factor of top row N				x		-	-	-	-	-	-	-	-	-		
19										x	-	-	-		-	-	-	-	-	-	-	-	-		
20											Sieve Model - Prime Safe Periods			x		-	-	-	-	-	-	-	-		
21													x	-		-	-	-	-	-	-	-	-		
22													x		-	-	-	-	-	-	-	-	-		
23														x	-	-	-	-	-	-	-	-	-		
24														x	-	-	-	-	-	-	-	-	-		
25															x	-	-	-	-	-	-	-	-		
26																x	-	-	-	-	-	-	-		

0,0,1,2,5,7,12,16,22,28,37,43,54,64,75,86,101,113,130,144,161,179,200,216,238,
 260,283,305,332,354,383,409,438,468,499,526,561,595,630,662,701,735,776,814,
 853,895,940,978,1024,1068,1115,1161,1212,1258,1309,1357,1410,1464,1521,
 1569,1628,1686,1743,1800,1861,1919,1984

Cumulative areas under a sieve of Eratosthenes where there are no factors

TP-UP=OP (UP=safe periods; OP=unsafe periods)

A000217-UP=A006218 or A000217-A006218=UP or safe periods

Total positions – Unoccupied positions (| and —) = Occupied positions (x) under Sieve

Example for N=7: TP=28, UP=12, OP=16; a(8) in A000217 – a(8) in A006218 = 12