

input n	$a <= n/2$	$n/2 \% a == 0$	$a = a + 1$	output
$a = 1$	$a <= 20/2$	$20/2 \% 1 == 0$	$a = 1 + 1$	Factor 1
	True	True	$a = 2 + 1$	Factor 2
$n = 20$	True	False	$a = 3 + 1$	
	True	False True	$a = 4 + 1$	Factor 4
	True	True	$a = 5 + 1$	Factor 5
	True	False	$a = 6 + 1$	
	True	False	$a = 7 + 1$	
	True	False	$a = 8 + 1$	
	True	False	$a = 9 + 1$	
	True	True	$a = 10 + 1$	Factor 10