

δ	input	res	p	C	$N \% .p = 0$	$N = N / p$	res (C+1)	output
i)	1024	1	2	0	$1024 \% 2 = 0$	$N = 1024 / 2$		
				1	$512 \% 2 = 0$	$N = 512 / 2$		
				2	$256 \% 2 = 0$	$N = 256 / 2$		
				3	$128 \% 2 = 0$	$N = 128 / 2$		
				4	$64 \% 2 = 0$	$N = 64 / 2$		
				5	$32 \% 2 = 0$	$N = 32 / 2$		
				6	$16 \% 2 = 0$	$N = 16 / 2$		
				7	$8 \% 2 = 0$	$N = 8 / 2$		
				8	$4 \% 2 = 0$	$N = 4 / 2$		
				9	$2 \% 2 = 0$	$N = 2 / 2$		
				10			res = $1 \times (9+1)$	10