

# IP header checksum calculation worksheet

	all the 16-bit words in the header	cumulative 1's complement sum	
R1	4500	4500	
R2	0048	4548	
R3	5CBC	A204	
R4	0000	A204	
R5	8011	12215 → 2216	
R6	<del>6F8C</del> 0000	2216	
R7	82EG	A4FC	
R8	3405	D901	
R9	82EG	15BE7 → 5BE8	1's complement of result
R10	348B	9073	6F8C

C1

C2

C3