bit	0	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	27	28	29	30	31
	version				header length with options				type of service (TOS)								full length of packet															
	identification																IP flags x D M			fragment Offset												
20 bytes	time to live (TTL)								protocol								header checksum															
	source IP address																															
	destination IP address																															
	IP options (variable length)																															
bit	0	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	27	28	29	30	31