

## Задание 2

### Изучение структуры IP-пакета.

### Структура заголовка протоколов ICMP/IGMP.

№ вар.	Пакет ICMP/IGMP	
1	0000 00 19 cb 51 8f 06 02 09 32 a1 2c de 08 00 45 00 0010 00 54 27 d7 40 00 40 01 8f 71 c0 a8 01 0f c0 a8 0020 01 01 08 00 f7 1f 55 d3 00 01 f8 b7 07 53 00 00 0030 00 00 ec 2d 00 00 00 00 00 10 11 12 13 14 15 0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25 0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35 0060 36 37	...Q....2.,...E. .T'..@..@..q..... .....U.....S.. ...-..... ..... !"#\$\$% &'()*+,-./012345
2	0000 02 09 32 a1 2c de 00 19 cb 51 8f 06 08 00 45 00 0010 00 54 3c 2e 00 00 fe 01 fd 19 c0 a8 01 01 c0 a8 0020 01 0f 00 00 ff 1f 55 d3 00 01 f8 b7 07 53 00 00 0030 00 00 ec 2d 00 00 00 00 00 10 11 12 13 14 15 0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25 0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35 0060 36 37	..2.,....Q....E. .T<..... .....U.....S.. ...-..... ..... !"#\$\$% &'()*+,-./012345
3	0000 00 19 cb 51 8f 06 02 09 32 a1 2c de 08 00 45 c0 0010 00 4c 7b a1 00 00 40 01 82 fd c0 a8 01 0f 5e d3 0020 5a c8 03 03 78 7d 00 00 00 45 60 00 30 00 68 0030 00 00 73 11 cb a2 5e d3 5a c8 c0 a8 01 0f cb e0 0040 47 40 00 1c dd 88 cc 67 02 27 fd 5c 8a 38 5f 9d 0050 68 a8 97 0d 57 50 79 a6 0d 4b	...Q....2.,...E. .L{...@.....^. Z...x}....E`.0.h ...s....^..Z..... G@.....g.'.\.8_ h...WPy..K
4	0000 02 09 32 a1 2c de 00 19 cb 51 8f 06 08 00 45 00 0010 00 38 3c 58 00 00 fe 01 fd 0b c0 a8 01 01 c0 a8 0020 01 0f 0b 00 42 ae 00 00 00 45 00 00 3c 4e 3b 0030 00 00 00 11 14 07 c0 a8 01 0f d5 b4 c1 03 d8 f0 0040 82 9b 00 28 56 9d	..2.,....Q....E. .8<X..... ....B.....E.<N; .....
5	0000 02 09 32 a1 2c de 00 19 cb 51 8f 06 08 00 45 60 0010 00 58 fe 2f 00 00 3e 01 d5 c0 2e 13 b8 8a c0 a8 0020 01 0f 0b 00 2a 82 00 00 00 45 60 00 3c 4e 41 0030 00 00 01 11 6b 11 c0 a8 01 0f d5 b4 c1 03 aa df 0040 82 a1 00 28 4f 5f 40 41 42 43 44 45 46 47 48 49 0050 4a 4b 4c 4d 4e 4f 50 51 52 53 54 55 56 57 58 59 0060 5a 5b 5c 5d 5e 5f	..2.,....Q....E` .X./...>..... ....*.....E`.<NA ....k..... ...(O_@ABCDEFGH JKLMNOPQRSTUVWXY Z[\]^_
6	0000 02 09 32 a1 2c de 00 19 cb 51 8f 06 08 00 45 60 0010 00 58 fe 36 00 00 3e 01 d5 b9 2e 13 b8 8a c0 a8 0020 01 0f 03 03 32 7f 00 00 00 45 60 00 3c 3b bf 0030 00 00 01 11 7d 93 c0 a8 01 0f 2e 13 b8 8a e1 ca 0040 82 a2 00 28 c8 8d 40 41 42 43 44 45 46 47 48 49 0050 4a 4b 4c 4d 4e 4f 50 51 52 53 54 55 56 57 58 59 0060 5a 5b 5c 5d 5e 5f	..2.,....Q....E` .X.6...>..... ....2.....E`.<;. ....}..... ...(@@ABCDEFGH JKLMNOPQRSTUVWXY Z[\]^_
7	0000 00 19 cb 51 8f 06 02 09 32 a1 2c de 08 00 45 00 0010 00 54 7a 91 40 00 40 01 3b b8 c0 a8 01 0f c0 a8 0020 02 00 08 00 17 da 56 14 00 04 b3 bd 07 53 00 00 0030 00 00 0e 2a 02 00 00 00 00 10 11 12 13 14 15 0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25 0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35 0060 36 37	...Q....2.,...E. .Tz.@.@.;..... .....V.....S.. ...*..... ..... !"#\$\$% &'()*+,-./012345 67
8	0000 00 18 f3 91 b7 90 02 09 32 a1 2c de 08 00 45 00 0010 00 54 fb 47 40 00 40 01 bb ff c0 a8 01 0f c0 a8 0020 01 02 08 00 8d e4 56 15 00 02 c7 bd 07 53 00 00 0030 00 00 78 20 0e 00 00 00 00 10 11 12 13 14 15 0040 16 17 18 19 1a 1b 1c 1d 1e 1f 20 21 22 23 24 25 0050 26 27 28 29 2a 2b 2c 2d 2e 2f 30 31 32 33 34 35 0060 36 37	.....2.,...E. .T.G@.@..... .....V.....S.. ..x ..... ..... !"#\$\$% &'()*+,-./012345 67
9	0000 00 19 cb 51 8f 06 74 d0 2b ae ec 02 08 00 45 00 0010 00 1c 12 34 40 00 ff 02 e6 52 c0 a8 01 07 c0 a8 0020 01 01 11 00 2d 57 c0 a8 01 00 00 00 00 00 00 0030 00 00 00 00 00 00 00 00 00 00 00 00 00	...Q..t+....E. ...4@....R..... ....-W..... .....



