

```
1  #include <stdio.h>
2
3  __u_short chksum( __u_short *buf, int count)
4  {
5      register __u_long sum = 0;
6      while (count--)
7      {
8          sum += *buf; buf++;
9          if (sum & 0xFFFF0000)
10         {
11             sum &= 0xFFFF; sum++;
12         }
13     }
14     return ~(sum & 0xFFFF);
15 }
16
17 __u_short seq[] = {0x46c0, 0x0028, 0x0000, 0x4000, 0x1850, 0xc0a8, 0x2b01,
18                   0x0010, 0xe000, 0x0016, 0x9404, 0x0000
19                   };
20
21 __u_short seq1[] = {0x4500 , 0x0073 , 0x0000 , 0x4000 , 0x4011 , 0xb861 ,
22                    0xc0a8 , 0x0001 , 0xc0a8 , 0x00c7};
23 int main()
24 {
25     printf("%x\n", chksum(seq1, 12) );
26 }
```