```
Eshell V13.2.2.5 (abort with ^G)

1> listgen:gen_users("us", 4).

["us1","us2","us3","us4"]

2> listgen:pos_int_only([2,3,4,"erl",lol,-3,-4,12]).

[2,3,4,12]

3> listgen:get_rand_list(7, 30).

[11,8,9,5,18,15,11]
```

```
2)
<<X:4,Y:2>> = <<42:6>>. – Корректно
X – 1010 = 10
Y – 10 = 2

<<C:4,D:4>> = <<1998:6>>. – НЕ корректно
1998 не помещается в 6 бит

<<C:4,D:2>> = <<1998:8>>. – Корректно
X – 1110 = 14
Y – 11 = 3
```

3)

```
>> ipw4 parser:parse_ipw4 header(<<69,0,0,60,123,45,0,0,64,6,0,192,168,1,1,192,168,1,2>>).
fipw4 header {
    version = 4,
    ihil = 5,
    tos = 0,
    total_len = 60,
    ident = 31533,
    flags = 0,
    frag_offset = 0,
    ttl = 64,
    proto = tcp,
    checksum = 0,
    src_addr = (192,168,1,2},
    option = undefined
}

ok

>> ipw4 parser:parse_ipw4 header(<<4:4, 6:4, 0:8, 0:3>>).
** exception throw: (error,invalid_packet)
    in function ipw4 parser:parse_ipw4 header/1 (ipw4 parser.erl, line 51)

>> ipw4 parser:parse_ipw4 header(<<6:4, 6:4, 0:8, 232:16, 0:16, 0:3, 0:13, 0:8, 0:8, 0:16, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32, 0:32
```

```
{17,82,ipv4,{nonarp}},
{16,86,ipv4,{nonarp}},
{15,86,ipv4,{nonarp}},
{14,42,arp,{arp,reply,"192.168.1.2","192.168.1.1"}},
{12,86,ipv4,{nonarp}},
{11,86,ipv4,{nonarp}},
{10,86,ipv4,{nonarp}},
{9,144,ipv4,{nonarp}},
{8,76,ipv4,{nonarp}},
{7,76,ipv4,{nonarp}},
{6,76,ipv4,{nonarp}},
{4,42,arp,{arp,request,"192.168.1.2","192.168.1.1"}},
{3,92,ipv4,{nonarp}},
{2,92,ipv4,{nonarp}},
{1,92,ipv4,{nonarp}}]
```