```c
#include<winsock2.h>
#include<stdio.h>
#include <time.h>//计时需要用到的头文件
#pragma comment(lib,"ws2_32.lib")

#include <time.h>//计时需要用到的头文件
clock_t start,end;//程序运行的起始和结束时间
float costtime;//程序耗时
void usage(void)
{
printf("\tusage: tcpscan RemoteIP StartPort-EndPort\n");
printf("\tExample: tcpscan 192.168.1.1 80-100\n");
}
int main(int argc,char **argv)
{
char *host;
int startport,endport;
    char *p;
if(argc!=3)
{
usage();
return 0;
}

p=argv[2];//处理端口参数
    if(strstr(argv[2],"-"))
    {    startport=atoi(argv[2]);
        for(;*p;)
            if(*(p++)=='-')break;
        endport=atoi(p);

        if(startport<1 || endport>65535)
        {    printf("Port Error!\n");
            return 0;
        }
    }
host=argv[1];
    WSADATA ws;
SOCKET s;
struct sockaddr_in addr;
int result;
```

```c
long lresult;
lresult=WSAStartup(MAKEWORD(1,1), &ws);
addr.sin_family =AF_INET;
addr.sin_addr.s_addr =inet_addr(host);
    start=clock();//开始计时
for (int i=startport;i<endport;i++)
{
s=socket(AF_INET, SOCK_STREAM, 0);
        addr.sin_port = htons(i);
if(s==INVALID_SOCKET)break;
result=connect(s, (struct sockaddr*)&addr,sizeof(addr));
if(result==0)
{
printf("%s %d\n",host,i);
closesocket(s);
}
}
end=clock();//计时结束
costtime= (float)(end - start) / CLOCKS_PER_SEC;   //转换时间格式
printf("Cost time:%f second",costtime);//显示耗时
WSACleanup();
return 0;
}
```