P1.Solution：

1. False
2. True
3. False
4. False
5. False

P4.Solution:

1. [gaia.cs.umass.edu/cs453/index.html](http://gaia.cs.umass.edu/cs453/index.html)
2. 1.1
3. Continued
4. There is no IP address in the HTTP message.
5. Mozilla/5.0 can send different versions of web pages to different browsers

P5.Solution

1. Yes, the server was able to successfully find the document.

Tue, 07 Mar 2008 12:39:45 GMT

1. Last-Modified: Sat, 10 Dec 2005 18:27:46 GMT
2. Content-Length: 3874
3. First five bytes: "<!doc"

According to keep-alive, I agree to continue to connect.

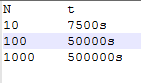
P21.Solution:

Enter such a command dig server, change the server to the name of the website you want to test. If the Query time is extremely short, it may have been visited recently.

P22.Solution:

Client-server:

Independent of u, t = max{NF/us, F/di}



P2P:

t = max{F/us, F/di, NF/(us+Nu)}

