

Considered the following HTTP message:

GET /somedir/page.html HTTP/1.1

Host: www.someschool.edu

Connection: close

User-agent: Mozilla/4.0

Accept-language: fr

The header line Host: www.someschool.edu specifies which of the following:

- The name of the client that requests the object
- The name of the host on which the object resides
- The name of the server that the client has a TCP connection with
- The name of the Web server that the host contacts with.

For 0/1 KNAPSACK problem, the algorithm takes _____ amount of time for memory table, and _____ time to determine the optimal load, for N objects and W as the capacity of KNAPSACK.:

- $O(N+W)$, $O(NW)$
- $q(NW)$, $O(N+W)$
- $O(N)$, $O(NW)$
- $O(NW)$, $O(N)$

What will be the value of sum after the following program is executed?

```
main( )  
{  
int sum = 1, index = 9;  
do {  
index = index - 1;  
sum *= 2;  
}while( index > 9 );  
}
```

- 1
- 9
- 2
- 0.5