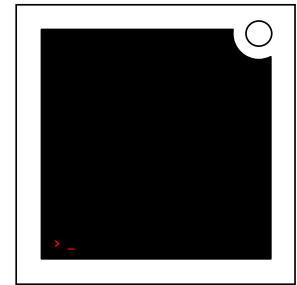


On the Subject of SUSadmin

Unfortunately, the bomb does not have a round table with a red button.

The module is a console. When it is waiting for command input you will see red `> _` symbols.



This console is connected to a network that you need to break down. You can find a list of all viruses and security protocols on the next page. Viruses that are on the same row with the security protocol can be detected by it. Activation of such viruses will result in a strike. You can get a list of installed security protocols with the `status` command.

Each virus has two parameters: compatibility index and power. These parameters can be obtained with the `info` command.

Vulnerability is a network parameter that shows how much the operating system can cause conflicts between viruses. Two viruses with a difference in compatibility index greater than the vulnerability cannot work together. Activation of such viruses will result in a strike. Calculate the vulnerability as follows:

- get OS version
- if OS is Boom multiply by -1
- subtract battery holders count multiplied by 5
- add indicators count multiplied by 7
- subtract port plates count multiplied by 3
- subtract bomb starting time in minutes

Safety Level is a network parameter that shows how strongly the network is protected from viruses. To damage the network, you need to install such viruses so that the sum of the powers of the viruses is equal to or greater than this parameter, otherwise you will get a strike. You can find out this parameter using the `status` command, but sysadmin hid this parameter from you. To find out this parameter, you need to activate any number of non-conflicting viruses. Here we get a vicious circle - to find out whether it is possible to damage the network with viruses, you need this parameter, but you will not recognize this parameter without uploading viruses to the network. However, it is guaranteed that the answer exists, so try to select such viruses so that the sum of their powers is as high as possible.

Security protocols	Viruses
ByteDefender	5YP4 6881 UBNL D4YD 7R7B MPDZ PERK M821 K34Q BIN8 A125
Kasperovich	A093 J333 23JJ BIN8 33FT 508K 3UD7 7Q2K MPDZ ZI53 7Z17
Awast	J333 50KD 02V5 23JJ 8339 ONE5 1K63 K34Q 5YP4 32EI W9Q5
MedicWeb	2E1E 8V00 D4YD 8U63 48NT 02V5 81RM 7R7B 8339 ZI53 7Q2K
Disco	81RM 6881 2E1E 1K63 A093 ONE5 33FT 6V00 7D2U M821 X642
MOD32	32EI 8U63 7D2U 508K PERK 8V00 50KD A125 X642 C43B 7Z17

Warning!

This module is incompatible with some other modules. Performing any action from the list below will result in a strike from each unsolved **SUSadmin**. If a module resulted in a strike in this way, then you can continue to solve it - **SUSadmin** will no longer give strikes for this module.

- Any error fixed or server allocated in **Sysadmin**
- Stage completed in **Who's On First, Simon States, Sea Shells, Third Base** or ❖
- Starting cell is dug in **Minesweeper**
- Query or Submit button pressed in **TwoBits**
- Prev or Next button pressed in **Logic Gates**
- Any switch toggled in **Colored Switches**
- Position changed in **Double-Oh, Cursed Double-Oh, 3D Maze** or **3D Tunnels**
- Frequency changed in **Not Morse Code**
- Any square successfully pressed in (De|Un|Dis)**Colored Squares**

Commands:

- **status** - Displays information about the installed operating system, a list of installed viruses and security protocols, and Safety Level.
- **info {VIRUS_NAME}** - Displays the compatibility index and power of the virus. You can get information about several viruses by writing them separated by a space.
- **install {VIRUS_NAME}** (Alias: **add**) - Installs a virus on the network. You can install several viruses by writing them separated by a space.
- **remove {VIRUS_NAME}** (Aliases: **rm**, **delete**, **del**) - Removes the virus from the network. You can remove several viruses by writing them separated by a space.
- **activate** - Activates all installed viruses.
- **clear** - Clears the console