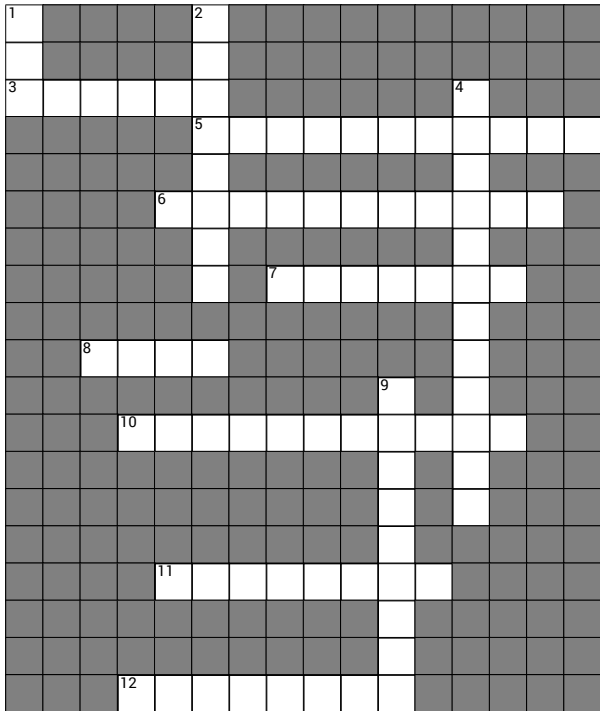


Puzzles

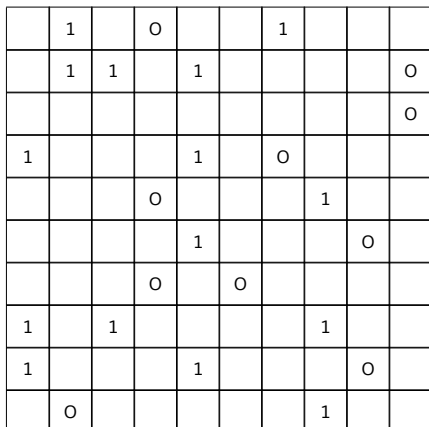
Crossword



Across. 3 Computer used to provide services to clients. 5 Parental circuit board 6 Group of several bits containing an operation code 7 Group of integrated circuits, or chips, designed to work together 8 Data storage scheme across multiple hard disk drives 10 Register in a CPU where intermediate arithmetic and logic results are stored. 11 Computer programs and other kinds of information read and written by computers 12 Fixed programs and data that internally control various electronic devices

Down. 1 subsystem that transfers data between computer components inside a computer or between computers 2 device that is used for entering data into, and displaying data from, a computer 4 Pocket sized computer, with apps! 9 Computers used for bulk data processing, no clouds involved.

Takuzu



Brain Teasers

- Using a 5 liter jug, a 3 liter jug, and a hose, can you measure 1 litre of water?
- How about 4 litres?
- You are given 12 coins of equal size and shape; one of them is a fake. We do not know if it is heavier or lighter than the others, but want to find out. Can you determine which one is a fake and if it is lighter or heavier by weighing coins on a balance scale a maximum of three times?

Issue 108 Solutions

Brain Teasers

A. Yes; for example, quines must have access to their own source codes to print them.

B. Turn the first one on and wait a few minutes, then turn it off and turn the second one on. Go down. If the light bulbs are hot but off, it was the first one, if they're on, its the second, and if they're neither its the third. Alternatively, if your servers are set up correctly then you should be notified when they come online and shouldn't need to go down at all.

Bonus. A canary with the super-user password.

Takuzu

0	1	0	1	0	1	0	1	1	0
1	0	1	0	1	0	1	1	0	0
0	1	1	0	0	1	0	0	1	1
1	0	0	1	1	0	1	0	0	1
0	1	1	0	1	0	1	1	0	0
0	0	1	1	0	1	0	0	1	1
1	0	0	1	1	0	0	1	1	0
1	1	0	0	1	0	1	0	0	1
0	1	1	0	0	1	0	1	0	1
1	0	0	1	0	1	1	0	1	0

Crossword

