


You have a \$10 'Federal Reserve Note'. You spend it in a supermarket to buy \$10 goods. Follow textbook Example 4.1 to describe the shopping process and justify your consumption should be granted.

The principals/subjects are: \$10 note, the holder, the Federal Reserve. The object is: \$10 goods.

Answer: -

Here, the subject i.e., the holder requests to buy the object i.e., \$10 goods from \$10 note.

The following analyses justifies the holders request to spend \$10 in the supermarket to buy \$10 goods.

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| 1. The holder says<buy, \$10 goods> | Holder Request |
| 2. The federal reserve controls<the holder controls<buy, \$10 goods> | Access Policy |
| 3. \$10 note  The federal reserve control | Trust assumption |
| 4. \$10 note says <the holder controls (buy, \$10 goods)> | from 2 and 3 |
| 5. (buy, \$10 goods) | From 1, 2, 3, 4 |

Here, Line 1 represent the holders request to buy \$10 goods from \$10 note.

Line 2 represents the access policy that the federal reverse is the authority of \$10 note.

Line 3 represents that the shopkeeper believes that the federal reverse has authorized the value of \$10 note.

Line 4 is obtained by repeated application of simplify says.

Line 5 is obtained by 1, 2,3,4 rule.

Hence, the consumption of \$10 goods should be granted by the shopkeeper