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-----**Assignment 2**-----

Input: Hardcoded in the code

**Console Output:**

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Chickens are on sale as low as \$7 each  
Retailer 0 has ordered 18 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$7 each  
Retailer 1 has ordered 18 chickens  
New chicken order sent by Retailer 1  
Order Placed >>> Bill for retailer 0 is \$139.32  
Transaction successful for Retailer 0 in time 00:00:00  
Chickens are on sale as low as \$7 each  
Retailer 2 has ordered 18 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$7 each  
Retailer 3 has ordered 18 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$7 each  
Retailer 4 has ordered 18 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 3 is \$139.32  
Transaction successful for Retailer 3 in time 00:00:00.5156800  
Chickens are on sale as low as \$6 each  
Retailer 0 has ordered 13 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$6 each  
Retailer 1 has ordered 13 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$6 each  
Retailer 2 has ordered 13 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$6 each  
Retailer 3 has ordered 13 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$6 each  
Retailer 4 has ordered 13 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 4 is \$139.32  
Transaction successful for Retailer 4 in time 00:00:00.0156595  
Order Placed >>> Bill for retailer 0 is \$87.48  
Transaction successful for Retailer 0 in time 00:00:00.5313080  
Order Placed >>> Bill for retailer 1 is \$87.48  
Transaction successful for Retailer 1 in time 00:00:01.0470178  
Chickens are on sale as low as \$8 each  
Retailer 0 has ordered 13 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$8 each  
Retailer 1 has ordered 13 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$8 each  
Retailer 2 has ordered 13 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$8 each  
Retailer 3 has ordered 13 chickens  
New chicken order sent by Retailer 3

Chickens are on sale as low as \$8 each  
Retailer 4 has ordered 13 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 2 is \$87.48  
Transaction successful for Retailer 2 in time 00:00:00.0468800  
Order Placed >>> Bill for retailer 3 is \$87.48  
Transaction successful for Retailer 3 in time 00:00:00.5625899  
Chickens are on sale as low as \$5 each  
Retailer 0 has ordered 18 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$5 each  
Retailer 1 has ordered 18 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$5 each  
Retailer 2 has ordered 18 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$5 each  
Retailer 3 has ordered 18 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$5 each  
Retailer 4 has ordered 18 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 4 is \$87.48  
Transaction successful for Retailer 4 in time 00:00:00.0625055  
Order Placed >>> Bill for retailer 0 is \$115.56  
Transaction successful for Retailer 0 in time 00:00:00.5781846  
Chickens are on sale as low as \$7 each  
Retailer 0 has ordered 14 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$7 each  
Retailer 1 has ordered 14 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$7 each  
Retailer 2 has ordered 14 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$7 each  
Retailer 3 has ordered 14 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$7 each  
Retailer 4 has ordered 11 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 1 is \$115.56  
Transaction successful for Retailer 1 in time 00:00:00.0625063  
Order Placed >>> Bill for retailer 2 is \$115.56  
Transaction successful for Retailer 2 in time 00:00:00.5782179  
Chickens are on sale as low as \$6 each  
Retailer 0 has ordered 7 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$6 each  
Retailer 1 has ordered 7 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$6 each  
Retailer 2 has ordered 7 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$6 each  
Retailer 3 has ordered 7 chickens  
New chicken order sent by Retailer 3

Chickens are on sale as low as \$6 each  
Retailer 4 has ordered 14 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 3 is \$115.56  
Transaction successful for Retailer 3 in time 00:00:00.0625068  
Order Placed >>> Bill for retailer 4 is \$115.56  
Transaction successful for Retailer 4 in time 00:00:00.5781881  
Order Placed >>> Bill for retailer 0 is \$100.44  
Transaction successful for Retailer 0 in time 00:00:01.0938676  
Chickens are on sale as low as \$8 each  
Retailer 0 has ordered 11 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$8 each  
Retailer 1 has ordered 11 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$8 each  
Retailer 2 has ordered 11 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$8 each  
Retailer 3 has ordered 11 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$8 each  
Retailer 4 has ordered 11 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 1 is \$100.44  
Transaction successful for Retailer 1 in time 00:00:00.0937567  
Chickens are on sale as low as \$6 each  
Retailer 0 has ordered 3 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$6 each  
Retailer 1 has ordered 3 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$6 each  
Retailer 2 has ordered 3 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$6 each  
Retailer 3 has ordered 3 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$6 each  
Retailer 4 has ordered 3 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 2 is \$100.44  
Transaction successful for Retailer 2 in time 00:00:00.0937921  
Order Placed >>> Bill for retailer 3 is \$100.44  
Transaction successful for Retailer 3 in time 00:00:00.6094410  
Order Placed >>> Bill for retailer 4 is \$100.44  
Transaction successful for Retailer 4 in time 00:00:01.1251227  
Chickens are on sale as low as \$7 each  
Retailer 0 has ordered 12 chickens  
New chicken order sent by Retailer 0  
Chickens are on sale as low as \$7 each  
Retailer 1 has ordered 12 chickens  
New chicken order sent by Retailer 1  
Chickens are on sale as low as \$7 each  
Retailer 2 has ordered 12 chickens  
New chicken order sent by Retailer 2  
Chickens are on sale as low as \$7 each

Retailer 3 has ordered 18 chickens  
New chicken order sent by Retailer 3  
Chickens are on sale as low as \$7 each  
Retailer 4 has ordered 18 chickens  
New chicken order sent by Retailer 4  
Order Placed >>> Bill for retailer 0 is \$109.08  
Transaction successful for Retailer 0 in time 00:00:00.1094162  
Order Placed >>> Bill for retailer 1 is \$109.08  
Transaction successful for Retailer 1 in time 00:00:00.6250979  
Order Placed >>> Bill for retailer 2 is \$109.08  
Transaction successful for Retailer 2 in time 00:00:01.1407468  
\*\*\*\*\*Max price cuts limit reached\*\*\*\*\*  
-----Processing Existing order only-----  
-----Chicken Farm Closed-----  
Order Placed >>> Bill for retailer 3 is \$109.08  
Transaction successful for Retailer 3 in time 00:00:01.6566205  
Order Placed >>> Bill for retailer 4 is \$86.4  
Transaction successful for Retailer 4 in time 00:00:02.1721090  
Order Placed >>> Bill for retailer 0 is \$48.6  
Transaction successful for Retailer 0 in time 00:00:02.6879776  
Order Placed >>> Bill for retailer 1 is \$48.6  
Transaction successful for Retailer 1 in time 00:00:03.2036635  
Order Placed >>> Bill for retailer 2 is \$48.6  
Transaction successful for Retailer 2 in time 00:00:03.7193572  
Order Placed >>> Bill for retailer 3 is \$48.6  
Transaction successful for Retailer 3 in time 00:00:04.2350180  
Order Placed >>> Bill for retailer 4 is \$93.96  
Transaction successful for Retailer 4 in time 00:00:04.7506921  
Order Placed >>> Bill for retailer 0 is \$98.28  
Transaction successful for Retailer 0 in time 00:00:05.2663610  
Order Placed >>> Bill for retailer 1 is \$98.28  
Transaction successful for Retailer 1 in time 00:00:05.7820640  
Order Placed >>> Bill for retailer 2 is \$98.28  
Transaction successful for Retailer 2 in time 00:00:06.2977432  
Order Placed >>> Bill for retailer 3 is \$98.28  
Transaction successful for Retailer 3 in time 00:00:06.8134224  
Order Placed >>> Bill for retailer 4 is \$98.28  
Transaction successful for Retailer 4 in time 00:00:07.3291113  
Order Placed >>> Bill for retailer 0 is \$22.68  
Transaction successful for Retailer 0 in time 00:00:07.8447803  
Order Placed >>> Bill for retailer 1 is \$22.68  
Transaction successful for Retailer 1 in time 00:00:08.3604641  
Order Placed >>> Bill for retailer 2 is \$22.68  
Transaction successful for Retailer 2 in time 00:00:08.8761458  
Order Placed >>> Bill for retailer 3 is \$22.68  
Transaction successful for Retailer 3 in time 00:00:09.3918314  
Order Placed >>> Bill for retailer 4 is \$22.68  
Transaction successful for Retailer 4 in time 00:00:09.9075105  
Order Placed >>> Bill for retailer 0 is \$93.96  
Transaction successful for Retailer 0 in time 00:00:10.4231837  
Order Placed >>> Bill for retailer 1 is \$93.96  
Transaction successful for Retailer 1 in time 00:00:10.9388676  
Order Placed >>> Bill for retailer 2 is \$93.96  
Transaction successful for Retailer 2 in time 00:00:11.4545553  
Order Placed >>> Bill for retailer 3 is \$139.32  
Transaction successful for Retailer 3 in time 00:00:11.9702280  
Order Placed >>> Bill for retailer 4 is \$139.32

Transaction successful for Retailer 4 in time 00:00:12.4859098  
Order Placed >>> Bill for retailer 2 is \$139.32  
Transaction successful for Retailer 2 in time 00:00:13.0015868  
Order Placed >>> Bill for retailer 1 is \$139.32  
Transaction successful for Retailer 1 in time 00:00:13.5172604