Revised Word Code:

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| 1. **START SYSTEM** 2. Check Tray\_Weight.    1. If Tray\_Weight is greater than LEFTOVERS\_BUFFER, check Current\_Time.       * If Current\_Time is less than 20 minutes after a FEEDING\_TIMES, then proceed to step 3).       * Otherwise, send Alert\_Food\_Unconsumed then **STOP SYSTEM**.    2. Otherwise, proceed to step 3). 3. Check if Current\_Time and compare it to all FEEDING\_TIMES.    * + If Current\_Time does not match any entries in FEEDING\_TIMES, proceed to step 6).      + Otherwise, proceed to step 4). 4. Check Stored\_Food and compare it to MEAL\_AMOUNT and Tray\_Weight.    1. If Stored\_Food is less than MEAL\_AMOUNT - Tray\_Weight, then begin Alert\_Insufficient\_Food and **STOP SYSTEM.**    2. Otherwise, proceed to step 5). 5. Begin Dispense\_Food until Tray\_Weight equals MEAL\_AMOUNT, then stop Dispense\_Food. Then proceed to Step 6). 6. Check if Current\_Time is after WORK\_END\_TIME.    1. If it is, **STOP SYSTEM.**    2. Otherwise, wait 1 minute and return to step 2). |

Altered sections from the previous version of the word code are highlighted in yellow.

Previous version of the word code:

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| 1. **START SYSTEM** 2. Check Tray\_Weight.    1. If Tray\_Weight is greater than LEFTOVERS\_BUFFER, check Current\_Time.       * If Current\_Time is less than 20 minutes after a FEEDING\_TIMES, then proceed to step 3).       * Otherwise, send Alert\_Food\_Unconsumed then **STOP SYSTEM**.    2. Otherwise, proceed to step 3). 3. Check if Current\_Time and compare it to all FEEDING\_TIMES.    * + If Current\_Time does not match any entries in FEEDING\_TIMES, wait for 1 minute and return to step 2).      + Otherwise, proceed to step 4). 4. Check Stored\_Food and compare it to MEAL\_AMOUNT and Tray\_Weight.    1. If Stored\_Food is less than MEAL\_AMOUNT - Tray\_Weight, then begin Alert\_Insufficient\_Food and **STOP SYSTEM.**    2. Otherwise, proceed to step 4). 5. Begin Dispense\_Food until Tray\_Weight equals MEAL\_AMOUNT, then stop Dispense\_Food. 6. Check if Current\_Time is after WORK\_END\_TIME.    1. If it is, **STOP SYSTEM.**    2. Otherwise, wait 1 minute and return to step 2). |