

Creation of the Tense Control Vector A tense control vector (program) for each word is to be made. That is, a tense control vector for each word is to be coded.

[0105] In the tense control vector, there are the following six kinds:

- W04 duplicate vector
- W04 homogeneity vector
- W02 duplicate vector
- W02 homogeneity vector
- W03 duplicate vector
- W03 homogeneity vector

These six kinds of the tense control vector (program) are to be created for every word. In some case, however, the W02 duplicate vector is not necessary.

[0106] For example, a sample for making the tense control vector is explained herein, focusing on the word "sales."

[0107] The W04 duplicate vector is to be made as shown in Fig. 12.

[0108] First, the vector should have the logic to make judgment whether a sales value exists or not in the address having the item "sales data" in the corresponding W02 of file (step 1201). If it exists, the vector should have the logic to set the sales value to the address having the item of "sales data" in the W04 (step 1202), thereby ending a process.

[0109] If the sales value does not exist there, the vector should have the logic to judge whether the sales value exists or not in the address having the item of "sales data" in the W03 (step 1203). If it exists, the vector should have the logic to set the sales value to the address having the item of "sales data" in the W04 (step 1204), thereby ending a process. If the sales value does not exist there, the vector should have the logic to end the process without doing anything.

[0110] Furthermore, the vector should have a step, after the step 1204, to confirm if an aimed process is accomplished or not, and if the aimed process is not accomplished, to set a flag to reactivate the pallet.

[0111] What is important is that for any words, programs are to be made with always the same structure as the one stated above, which also applies to the following programs.

[0112] The W04 homogeneity vector is to be made as shown in Fig. 13.

[0113] First, the vector should have the logic to make judgment whether the sales value has already been input into the address having the item of "sales data" in the W04 (step 1301). If it has already been input, the vector should put an end to the process.

[0114] If the sales value has not been entered yet, the vector should have the logic to judge whether a "sales value" for the address having the item of "sales data" of the W04 can be computed or not by the internal data of the W04 (step 1302). That is, for example, assuming that the sales value is "the price" × "the number of pieces", the vector should judge whether values already exist or not in address having the item of "price" in the W04 and in the address having the item of "number of pieces" in the W04. If those values exist, the vector should, deciding that it is computable, compute a "sales value" (for example, the vector is to compute a sales data from the existing "price" data and "number of pieces" data)(step 1303), and set the computed result (for example, the obtained "sales value") into the address having the item of "sales data" in the W04 (step 1304).

[0115] When the "sales data" is not computable, the vector should have the logic, if necessary (step 1305), set a flag for reactivating the pallet (step 1306). That is, the determination of the sales value is once reserved: for the above-mentioned example, the determination of the sales value is reserved until the "price" data and the "number of pieces" data are input. This means nothing but that the program stated in the present invention autonomously determines the significance.

[0116] The W02 homogeneity vector is to be made as shown in Fig. 14.

[0117] First, the vector should have the logic to make judgment whether a sales value is already input or not (that is, whether it is already set into the address having the item of the W04 "sales data" in the W04)(step 1401). If it is not input, the vector should put an end to the process.

[0118] If the sales value already input, the vector should have the logic to set the input sales value into the address having the item of "sales data" in the W02 (step 1402), and to put an end to the process.

[0119] For some words, if necessary, the vector should have, before step 1401, a step for confirming whether the execution is necessary or not. Also, the vector should have, after step 1402, a step for confirming whether the aimed process is accomplished or not, and, if the aimed process has not been accomplished to set a flag for reactivating the pallet.

[0120] Further, for example in the case of the control words such as the "execute key," the above-mentioned step 1402 will become a process for setting a homogeneity map flag. The homogeneity map flag (R = 0 - 5, however, R = 0 is exceptional) is determined by the homogeneity map. By this homogeneity map flag it becomes possible to process distributing the homogeneity routes in the pallet chain function, as will be discussed later.

[0121] The W03 homogeneity vector is to be made as shown in Fig. 16.