

```

|[ START OF LD PROGRAM LM9030 ] (* *)
|
|[ VARIABLE DECLARATIONS ]
|
|[ BLOCK DECLARATIONS ]
|
|[ START OF PROGRAM LOGIC ]
|
| (*****
| (* This program is totally useless... *)
| (* *)
| (* as far as controlling any process. Now on the other hand if you *)
| (* would like to see how different instructions are converted read on. *)
| (* *)
| (* *)
| (*****
|
| << RUNG 5 STEP #0002 >>
|
|INPUT INPUT INPUT INPUT OUTPUT
|1 2 3 4 1
|INPUT1 INPUT2 INPUT3 INPUT4
|%I0001 %I0002 %I0003 %I0004 %Q0001
+--] [-----] [-----] [-----] [-----] ( )--
|
| << RUNG 6 STEP #0007 >>
|
|INPUT INPUT INPUT INPUT OUTPUT
|5 6 7 8 2
|INPUT5 INPUT6 INPUT7 INPUT8
|%I0005 %I0006 %I0007 %I0008 %Q0002
+--]/[-----]/[-----]/[-----]/[-----] ( )--
|
|INPUT INPUT INPUT INPUT
|9 10 11 12
|INPUT9 INPUT10 INPUT11 INPUT12
|%I0009 %I0010 %I0011 %I0012
+--] [-----]/[-----] [-----]/[-----]
|
| << RUNG 7 STEP #0017 >>
|
|INPUT INPUT INPUT INPUT INPUT INPUT INPUT INPUT INPUT
|13 14 15 17 18 19 20 21 22
|INPUT13 INPUT14 INPUT15 INPUT17 INPUT18 INPUT19 INPUT20 INPUT21 INPUT22
|%I0013 %I0014 %I0015 %I0017 %I0018 %I0019 %I0020 %I0021 %I0022
+--] [-----] [-----]/[-----]/[-----] [-----] [-----] [-----] [-----] [-----] [-----]<+>
|
| << RUNG 8 STEP #0027 >>
|
| INPUT INPUT INPUT INPUT INPUT INPUT INPUT INPUT INPUT OUTPUT
| 23 24 25 26 27 28 29 30 3
| INPUT23 INPUT24 INPUT25 INPUT26 INPUT27 INPUT28 INPUT29 INPUT30
| %I0023 %I0024 %I0025 %I0026 %I0027 %I0028 %I0029 %I0030 %Q0003
+<+>-----]/[-----]/[-----]/[-----]/[-----]/[-----]/[-----]/[-----]/[-----] (SM)-

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| << RUNG 9  STEP #0037 >>
|
|OUTPUT  OUTPUT                                OUTPUT
|4      5                                     3
|
|%Q0004  %Q0005                                %Q0003
+--] [-----]/[-----]----- (RM) -
|
| << RUNG 10  STEP #0040 >>
|
|TIMER                                       TIMER
|ENABLE                                    DONE
|
|%M0001  +-----+                            %M0003
+--] [---+ TMR +-----]----- ( ) --
|      |0.10s|
|      |
|  CONST -+PV |
| +00020 |
|      +-----+
|
|      TIMER
|
|      %R00001
|
| << RUNG 11  STEP #0043 >>
|
|COUNTER                                       COUNTER
|PULSE                                        DONE
|
|%M0005  +-----+                            %M0007
+--] [--->UPCTR+-----]----- ( ) --
|
|COUNTER |
|RESET   |
|
|%M0006  |
+--] [---+R |
|
|  CONST -+PV |
| +00999 |
|      +-----+
|
|      COUNTER
|
|      %R00004
|

```

```
| << RUNG 12  STEP #0047 >>
|
|ADD
|enable
|
| %M0008  +-----+
+---] [----+ ADD_+-
|          | INT  |
|          |      |
|ADD
|input 1  |      | RESULT
|          |      |
| %R00010--+I1  Q+-%R00012
|          |      |
|ADD
|input 2  |      |
|          |      |
| %R00011--+I2  |
|          +-----+
|
| << RUNG 13  STEP #0049 >>
|
|SUB
|enable
|
| %M0009  +-----+
+---]/[----+ SUB_+-
|          | INT  |
|          |      |
|SUB
|input 1  |      | result
|          |      |
| %R00013--+I1  Q+-%R00015
|          |      |
|SUB
|input 2  |      |
|          |      |
| %R00014--+I2  |
|          +-----+
|
```


| << RUNG 17 STEP #0058 >>



