

```

|[ START OF LD PROGRAM LM9070 ] (* *)
|
|[ VARIABLE DECLARATIONS ]
|
|[ PROGRAM BLOCK DECLARATIONS ]
|
|[ INTERRUPTS ]
|
|[ 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 6 >>
|
|                                     Output
|Input 1 Input 2 Input 3 Input 4      1
|INPUT1 INPUT2 INPUT3 INPUT4
|%I00001 %I00002 %I00003 %I00004      %Q00001
+--] [-----] [-----] [-----] [-----] ( )--
|
| << RUNG 7 >>
|
|                                     Output
|Input 5 Input 6 Input 7 Input 8      2
|INPUT5 INPUT6 INPUT7 INPUT8
|%I00005 %I00006 %I00007 %I00008      %Q00002
+--]/[-----]/[-----]/[-----]/[-----] ( )--
|
|      Input  Input  Input
|Input 9 10 11 12
|INPUT9 INPUT10 INPUT11 INPUT12
|%I00009 %I00010 %I00011 %I00012
+--]/[-----]/[-----]/[-----]/[-----]
|
| << RUNG 8 >>
|
|Input  Input  Input  Input  Input  Input  Input  Input  Input
|13 14 15 16 17 18 19 20 21
|INPUT13 INPUT14 INPUT15 INPUT16 INPUT17 INPUT18 INPUT19 INPUT20 INPUT21
|%I00013 %I00014 %I00015 %I00016 %I00017 %I00018 %I00019 %I00020 %I00021
+--] [-----]/[-----] [-----]/[-----] [-----]/[-----]/[-----] [-----]<+>
|
| << RUNG 9 >>
|
|      Input  Input  Input  Input  Input  Input  Input  Input  Input  Output
|      22 23 24 25 26 27 28 29 3
|      INPUT22 INPUT23 INPUT24 INPUT25 INPUT26 INPUT27 INPUT28 INPUT29
|      %I00022 %I00023 %I00024 %I00025 %I00026 %I00027 %I00028 %I00029 %Q00003
+<+>-----] [-----] [-----] [-----] [-----] [-----] [-----] [-----] [-----] (SM)-

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| << RUNG 10 >>
|
|Output  Output
|4      5
|
|%Q00004 %Q00005
+--] [-----]/[-----]----- (RM) -
|
| << RUNG 11 >>
|
|
|Output
|5
|
|%M00001
+--] ^ [-----]----- ( ) --
|
| << RUNG 12 >>
|
|
|Output
|6
|
|%M00002
+--] v [-----]----- ( ) --
|
| << RUNG 13 >>
|
|%M00005 +-----+
+--] [---+ TMR +-----]----- ( ) --
|
|      |0.01s|
|      |     |
| CONST -+PV CV+-
| +00550 |     |
|      +-----+
|
|      %R00001
|
| << RUNG 14 >>
|
|%M00005 +-----+
+--] [--->UPCTR+-----]----- ( ) --
|
|%M00006 |     |
+--] [---+R |     |
|
| CONST -+PV CV+-
| +00099 |     |
|      +-----+
|
|      %R00004
|

```

```
| << RUNG 15 >>
|
| %M00008 +-----+
+--] [----+ ADD_+-
|         | INT |
|         |     |
| %R00010--+I1  Q+-%R00012
|         |     |
| %R00011--+I2  |
|         +-----+
|
| << RUNG 16 >>
|
| %M00009 +-----+
+--]/[----+ SUB_+-
|         | INT |
|         |     |
| %R00013--+I1  Q+-%R00015
|         |     |
| %R00014--+I2  |
|         +-----+
|
| << RUNG 17 >>
|
| %M00010 +-----+
+--] [----+ MUL_+-
|         | INT |
|         |     |
| %R00016--+I1  Q+-%R00018
|         |     |
| %R00017--+I2  |
|         +-----+
|
| << RUNG 18 >>
|
| %M00011 +-----+
+--] [----+ DIV_+-
|         | INT |
|         |     |
| %R00019--+I1  Q+-%R00020
|         |     |
| CONST  -+I2  |
| +00100 +-----+
|
```



```

| << RUNG 22 >>
|
|ALW_ON
|S00007 +-----+                               %M00105
+--] [---+RANGE+----- ( )--
|      | INT |
|      |     |
|      |     |                               %M00106
| CONST -+L1 Q+----- ( )--
| +00000 |
|      |     |
| CONST -+L2 |
| +00100 |
|      |     |
| %R00038-+IN |
|      +-----+
|
| [      END OF PROGRAM LOGIC      ]
|

```