

## Lab2 - Ladder Diagram

Home\_Stal:MainTask:MainProgram

Total number of rungs in routine: 27

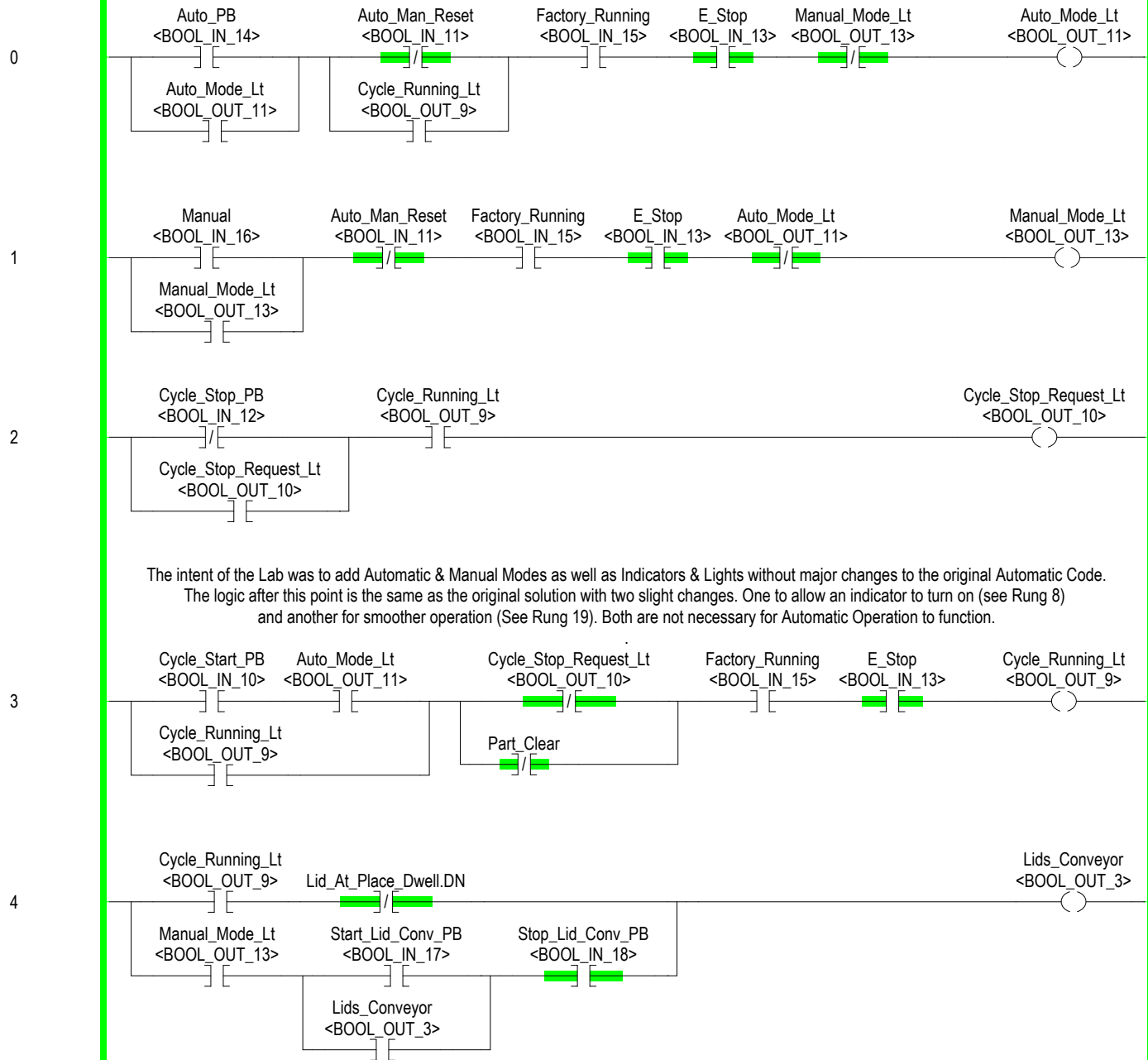
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Auto, Manual and Cycle Rungs.

It should be noted that Cycle Start after Cycle Stop may only work smoothly if the Emitters are controlled, otherwise some jams and collisions may occur. The Lab instruction suggest keeping the same Automatic Program as used for Lab 1 to keep the focus on Manual Mode Operation and the addition of Position Indication.



The intent of the Lab was to add Automatic & Manual Modes as well as Indicators & Lights without major changes to the original Automatic Code. The logic after this point is the same as the original solution with two slight changes. One to allow an indicator to turn on (see Rung 8) and another for smoother operation (See Rung 19). Both are not necessary for Automatic Operation to function.

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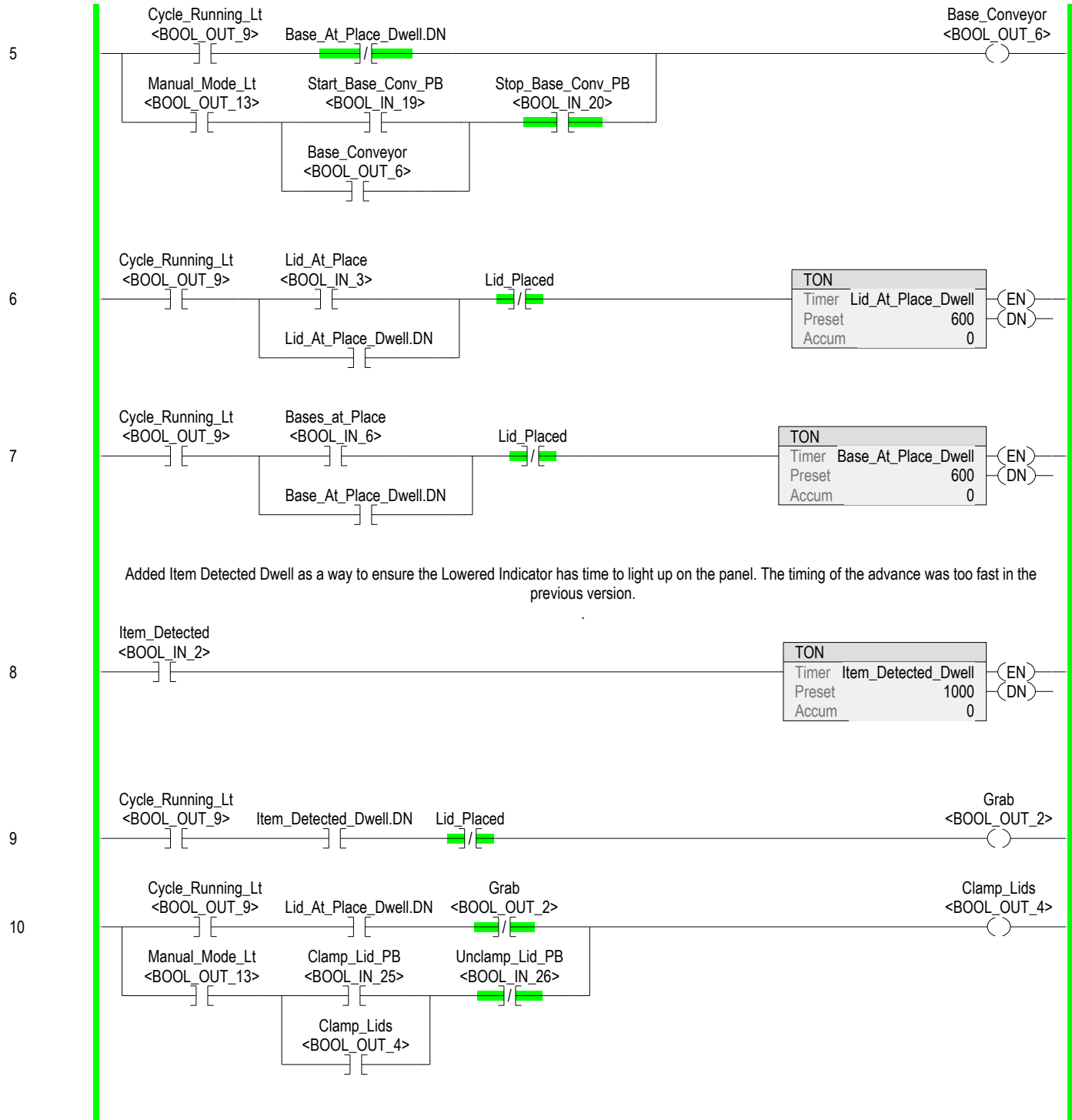
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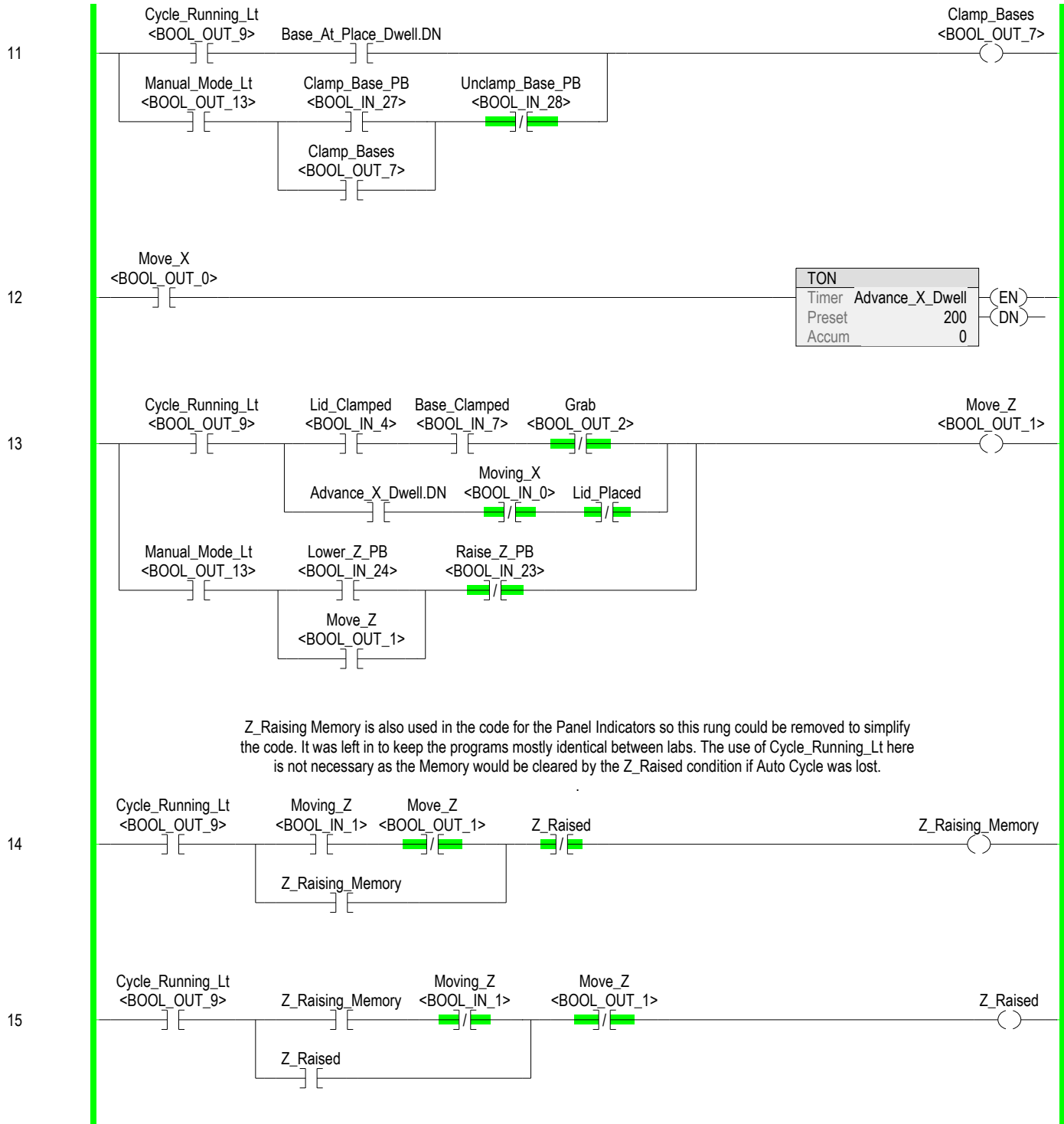
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