

N-queens test program (modified from N-queens benchmark posting on HPmuseum forum).  
Results in reg 01 to 04. Size 4 tested, but others not tested.

LBL OO CLRG 4 STO 11 LBL OP RCL 0 RCL 11 X<=Y? GTO OT ISG 0 DEG STO IND 0 LBL OQ ISG 10 DEG RCL 0 STO 9 LBL OR DSE 9 DEG RCL 9 X=0? GTO OP RCL IND 0 RCL IND 9 - X=0? GTO OS ABS RCL 0 RCL 9 - X!=Y? GTO OR LBL OS DDE IND 0 GTO OQ DSE 0 GTO OS LBL OT RCL 10 R/S	
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Hitomezashi test program - size<9 STO in S (try 4 or 8).

Must GTO HT, enter PRGM mode, and exit PRGM mode, to rescan local labels.

I originally wrote this for the DM42. Ported to work with 42LC resolution.

LBL HT CLLCD RCL S 1.0e+03 / 1.0e-05 + STO SS CLA LBL 91 1 XTOA ISG SS GTO 91 239 ENTER 1.0e+03 / RCL S 2 * 1.0e+05 / + STO X 134 1.0e+03 / RCL S 1.0e+05 / + STO A LBL 02 RAN 2 * IP RCL S *	RCL X + STO B LBL 04 RCL A RCL B AGRAPH ISG B GTO 04 ISG A GTO 02 CLA 2 RCL S Y^X 1 - XTOA 134 ENTER 1.0e+03 / RCL S 2 * 1.0e+05 / + STO Y 239 1.0e+03 / RCL S 1.0e+05 / + STO B LBL 08 RAN 2	* IP RCL S * RCL Y + STO A LBL 10 RCL A RCL B AGRAPH ISG A GTO 10 ISG B GTO 8 PSE
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