



HP Calculator Programming Contest

Sept 25-26, 2010 / Fort Collins, Colorado



Goal

HP 15C or 15C+: Write a program that sorts registers 1-9 into ascending order.

RPL: Write a program that takes any size list containing only integers, and sorts the list into ascending order with the odd numbers first followed by the even numbers.

Specifics

HP-15C or 15C+: The judges will place values into registers 1-9. These will be valid, ordinary integer numbers. There is no output per se; the sorted values are to be left in registers 1-9. The winner will be the program with the fewest program steps.

RPL: The judges will place a list of values onto level 1 of the stack. These will be valid, ordinary integer numbers. The output is the sorted list in stack level 1 with the odd numbers first followed by the even numbers. The winner will be the program with the smallest byte count multiplied by the runtime over a run of 4 sample inputs.

Rules

1. The decision of the judges is final.
 2. The purpose of the contest is to have fun.
 3. At least two contestants must participate.
 4. Plain-vanilla user code only; no synthetics or SYSEVALs or other monkey business.
 5. Contest program submittal must be completed by the end of the contest (TBA).
 6. HP-15C or 15C+: Take your calculator pre-loaded with your program to the judges.
- RPL: Include your initials in the name of your program and transfer your program to the judges' machine.
7. This is a contest between *individuals, not teams*; one submittal per person, one person per submittal.
 8. By submitting a program, you agree to allow it to be shared with the community.
 9. You must be present to win.
 10. If a point is unclear, *ask* immediately. No excuses for ignorance. Clarifications will be officially announced during conference hours.
 11. Assume machine default flag settings (except HP49/50; assume RPL mode). Altered flag settings must be returned to default status upon program completion.
 12. *Work alone*. Do not consult the Internet. The AUR, Owner's Manual, or other books are permissible, of course.
 13. In case of a tie, the most elegant solution (according to the judges) wins. In case of identical winning programs, the first one submitted wins. The judges' decision is final.
 14. Happy Programming! -jkh-



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