



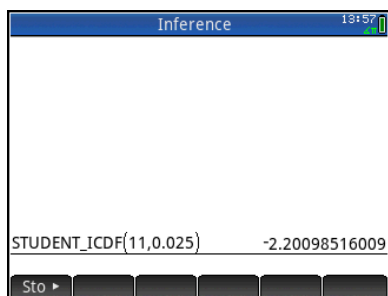
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16. Inverse t on HP Prime

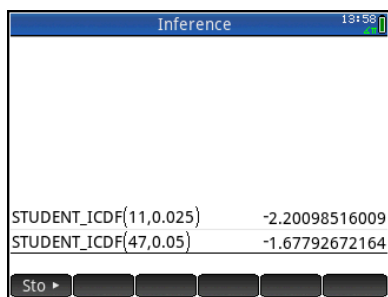
HP Prime allows you to find critical values t^* using the inverse t command. As with the inverse Normal command, you have to enter the *area to the left* of the desired critical value. The inverse t command on the HP Prime is `STUDENT_ICDF()` and the syntax is `STUDENT_ICDF(degrees of freedom, area to the left)`. Let's use the inverse t command to find the critical values in parts (a) and (b) of the example.

- Press  to go to Home view
- Press , tap *Probability*, then tap *Inverse* and select *T*
- Complete the command
`STUDENT_ICDF(11,0.025)` and press





- Repeat to enter the command
`STUDENT_ICDF(47, 0.05)`



Note that the t critical values are $t^* = 2.201$ and $t^* = 1.678$, respectively.