Clinton, Obama in dead heat as Texas primary draws near

Hillary Rodham Clinton and Barack Obama remained locked in a dead heat in the final stretch of their Democratic primary fight in Texas, according to a new poll by Belo TV station WFAA (Channel 8). She has 46 percent, he has 45 percent and the rest are undecided, based on interviews Sunday through Tuesday with 744 likely voters by polling firm Public Strategies. The margin of error is 3.6 percentage points. On the Republican side, John McCain has a sizable lead over Mike Huckabee.

- "locked in a dead heat" ?? (Are we sure of this?)
  Obama: \( \hat{p}_o = 0.45 \)
  Clinton: \( \hat{p}_c = 0.46 \)

- 95% C.I. (approximate) for \( p_0 \):
  \[
  \hat{p}_0 \pm 1.96 \sqrt{\frac{\hat{p}_0 (1-\hat{p}_0)}{n}}
  \]
  \[
  \sqrt{\frac{0.45 \times 0.55}{41}} = 0.018
  \]
  \[
  0.45 \pm 0.018 \leftrightarrow 0.45 \pm 0.035
  \]
  (0.415, 0.485)

- Likewise for \( p_c \):
  \[
  0.46 \pm 0.035
  \]
  (0.425, 0.495)

[ Obama ]
[ Clinton ]

Lots of possibilities for the pair \( (p_o, p_c) \)!!