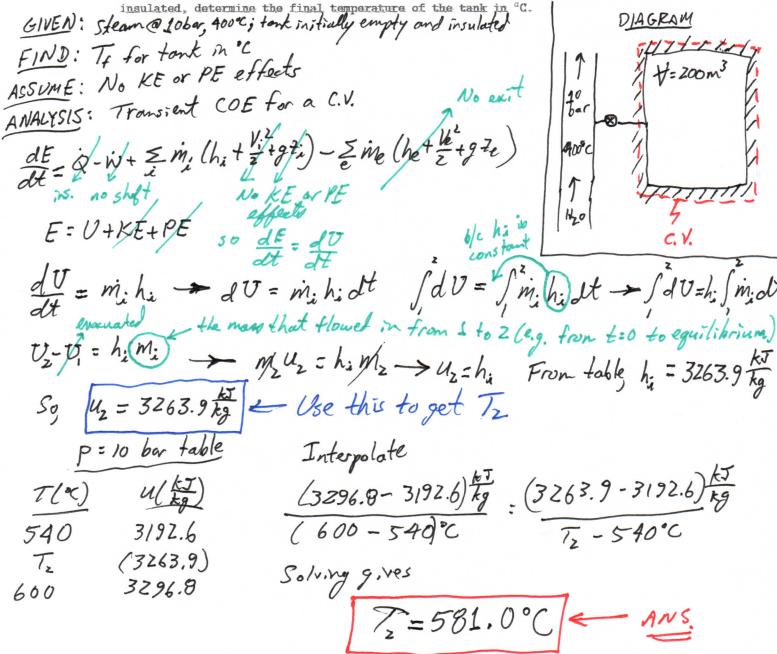
## SOLUTION

NAME:	002011011
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This is an open book quiz. You may use a four-function calculator. An unsigned honors pledge will result in a zero. Show all work.

1. An initially evacuated 200 m $^3$  tank is connected via a valve to a pipeline through which flows superheated steam at 10 bar and  $400^{\circ}$ C. The valve is opened and steam flows into the tank until the tank pressure is the same as that of the pipeline. If the tank is



I have neither provided or received help during this quiz.