2.4.11. If the potentials are $u_1 = 0$ and $u_3 = 12$ in Figure 2.19, then $u_2 = u_4 = 6$. The currents are $w_2 = 12$ and $w_1 = w_3 = w_4 = w_6 = (6 \text{ or } -6)$, $w_5 = 0$

3.1.17. With parabolas as "bubble tens": All trial functions (hats and bubbles) are continuous - so any combination $U(x)$ is continuous. Slopes are <u>not</u> continuous, for both hats and bubbles.

The count 6 comes from the number of hats and bubbles (trial functions). The combinations give <u>all continuous piecewise quadratics</u> with $U(0) = 0$ fixed. The dimension of this "trial space" is 6.

3.1.11 Do we get the cubic solution $u(x)$ exact from $U(x)$ at the nodes? There is error between nodes of course.