

Fig. 6.4. (a) Grid values  $Q^n$  and reconstructed  $\tilde{q}^n(\cdot, t_n)$  using Lax-Wendroff slopes. (b) After advection with  $\bar{u} \Delta t = \Delta x/2$ . The dots show the new cell averages  $Q^{n+1}$ . Note the overshoot.