



Figure VIII.6: The order two (piecewise degree one) blending functions with uniformly spaced knots,  $u_i = i$ . Here  $\ell = 10$ , and there are  $\ell + 1$  knots and  $\ell - 1$  blending functions. The associated B-spline curve of equation (VIII.2) is defined for  $1 \leq u \leq \ell - 1$ .