THO .	$x_{11}$	$x_{14}$	$x_{15}$		
$x_8 \bar{x}$	\$9	$x_{12}$	$x_{13}$		
$x_2$	$x_3$	$x_6$	$x_7$		
$x_0$	$x_1$	$x_4$	$x_5$		
			x	0	
					_

Figure 1: (Left:) Data on the initial refinement level. (Middle:) A coarsening

step in which all (four) element families have been coarsened. (Right:) A second

coarsening step of the resulting family of elements from the first step.