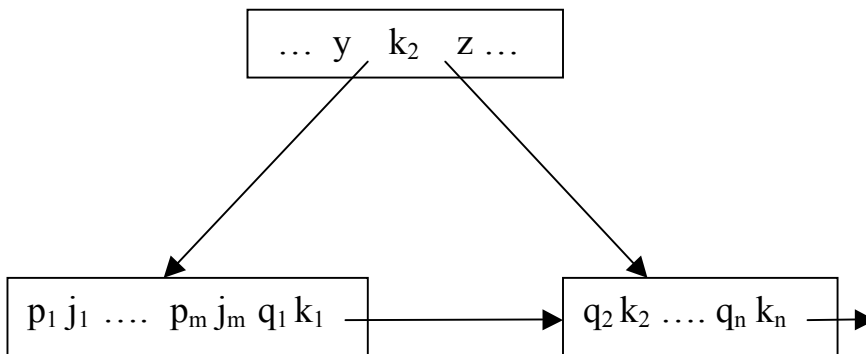
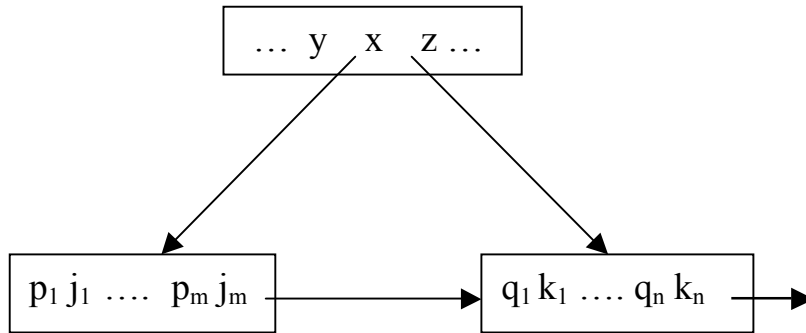


### Rotation for Leaf Nodes: From Right to Left



$q_1$  and  $k_1$  move to the left node;  $k_2$  replaces  $x$  in the parent node.  
Can be used if  $n \geq \lceil N/2 \rceil$  and  $m < N-1$  to eliminate overflow in the right node or underflow in the left node.