Pattern Matching

Examples:

(1)

	$1	$2	$3
r1	nil		
r2	cons(nil, cons(z,y)		
r3	cons(z, nil)		
r4	u		

cons($1, cons($2, $3))

↑ chosen column

⇓

node

nil / \ cons

	$2	$3
r1		
r4		

cons(nil, cons($2,$3))

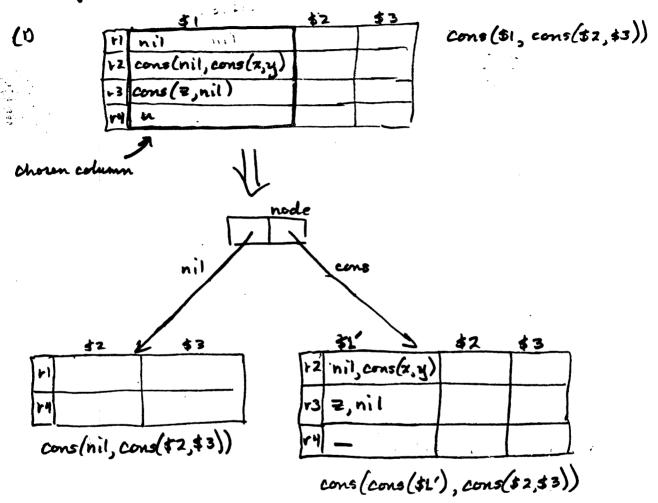|	$1'	$2	$3
r2	nil, cons(x,y)		
r3	z, nil		
r4	—		

cons(cons($L'), cons($2,$3))

Note that each subblock has a copy of r4. In the _nil_ case, column 1 has been eliminated (it contains no further information to use for case discrimination). In the _cons_ case, column 1 has been replaced by the argument subcomponents.