

	Col prev	Col current	Col next
Row prev	$R_{-1} C_{-1}$	$R_{-1} C$	$R_{-1} C_{+1}$
Row current	$R C_{-1}$	$R C$	$R C_{+1}$
Row next	$R_{+1} C_{-1}$	$R_{+1} C$	$R_{+1} C_{+1}$

If cell RC has a symbol:

1) Check each adjacent cell for a number

If found:

Add #'s location and value to parts dictionary