

# Example: Simplex Method

- Initial Simplex Tableau

		$x_1$	$x_2$	$x_3$	$s_1$	$s_2$	$s_3$		
Basis	$c_B$	12	18	10	0	0	0		
$s_1$	0	2	3	4	1	0	0	50	(* row)
$s_2$	0	-1	1	1	0	1	0	0	
$s_3$	0	0	-1	1.5	0	0	1	0	
$z_j$		0	0	0	0	0	0	0	
$c_j - z_j$		12	18	10	0	0	0		

- Iteration 1

- Step 1: Determine the Entering Variable

The most positive  $c_j - z_j = 18$ . Thus  $x_2$  is the entering variable.

# The Simplex Method Springer

**Michael Brown**



**The Simplex Method Springer:**

## The Enigmatic Realm of **The Simplex Method Springer**: Unleashing the Language is Inner Magic

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