

1. Reši jednačinu  $|5x - |4x + |3x - |2x + |x||| = 2013$

Ako je  $x \geq 0$

$$|5x - |4x + |3x - |2x + |x||| = 2013$$

$$|5x - |4x + |3x - |2x + x||| = 2013$$

$$|5x - |4x + |3x - |3x||| = 2013$$

$$|5x - |4x + |3x - 3x||| = 2013$$

$$|5x - |4x + |0||| = 2013$$

$$|5x - |4x|| = 2013$$

$$|5x - 4x| = 2013$$

$$|x| = 2013$$

$$x = 2013$$

Ako je  $x \leq 0$

$$|5x - |4x + |3x - |2x + |x||| = 2013$$

$$|5x - |4x + |3x - |2x - x||| = 2013$$

$$|5x - |4x + |3x - |x||| = 2013$$

$$|5x - |4x + |3x + x||| = 2013$$

$$|5x - |4x + |4x||| = 2013$$

$$|5x - |4x - 4x||| = 2013$$

$$|5x - |0|| = 2013$$

$$|5x| = 2013$$

$$-5x = 2013$$

$$x = -\frac{2013}{5}$$