

Extra Examples

**Evaluate the following expressions:**

$$A = 2 * 3 + 6 ^ 2 - (4 + 2) * 2$$

$$A = 2 * 3 + 6 ^ 2 - 6 * 2$$

$$A = 2 * 3 + 36 - 6 * 2$$

$$A = 6 + 36 - 12$$

$$A = 42 - 12$$

$$A = 30$$

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$$Z = 1 \leq 5-4 \text{ and not } 1*5 <> 5 \text{ or } 1+2 < (1+5)/2$$

$$Z = 1 \leq 5-4 \text{ and not } 1*5 <> 5 \text{ or } 1+2 < (1+5)/2$$

$$Z = 1 \leq 1 \text{ and not } 5 <> 5 \text{ or } 3 < 3$$

$$Z = \text{True and not False or False}$$

$$Z = \text{True and True or False}$$

$$Z = \text{True or False}$$

$$Z = \text{True}$$

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$$Y = 2 ^ 4 \leq 4 ^ 2 \text{ And } 7 \leq 7 \text{ or Not } (1 > 5 - 2 * 2 \text{ and Not } (6 <> 6))$$

$$Y = 2 ^ 4 \leq 4 ^ 2 \text{ And } 7 \leq 7 \text{ or Not } (1 > 5 - 2 * 2 \text{ and Not F)}$$

$$Y = 2 ^ 4 \leq 4 ^ 2 \text{ And } 7 \leq 7 \text{ or Not } (1 > 1 \text{ and Not F)}$$

$$Y = 2 ^ 4 \leq 4 ^ 2 \text{ And } 7 \leq 7 \text{ or Not } (F \text{ and Not F)}$$

$$Y = 2 ^ 4 \leq 4 ^ 2 \text{ And } 7 \leq 7 \text{ or Not F}$$

$$Y = 16 \leq 16 \text{ And } 7 \leq 7 \text{ or Not F}$$

$$Y = T \text{ And T or Not F}$$

$$Y = T \text{ And T or T}$$

$$Y = T \text{ or T}$$

$$Y = T$$