

Subtract from Sides

What: Subtract the same expression from the both sides of $==$

Why: Such side-wise subtraction is an essential computation for solving equations

Time to Complete: 3 hours

```
eq = (x - 3 == 17*y + 9);
```

```
lhs = eq.left - 9;
```

```
rhs = eq.right - 9;
```

```
eq2 = (lhs == rhs);
```

```
show eq2;
```

```
save as sides;
```

Output

```
"eq2" → -12 + x == 17*y
```

Output

```
"lhs" → (-12 + x)/17
```

```
"rhs" → y
```

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