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# ReverseSUM

**Author(s):** Louis Ouellet

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This web application is a versatile tool designed to find all possible combinations of individual line values that match given target totals. Users can input lists of totals and individual values, and the application will determine which combinations of values add up to each total. This is particularly useful for reconciling invoice lines, budget calculations, or any situation requiring a reverse sum breakdown of totals.

## Features

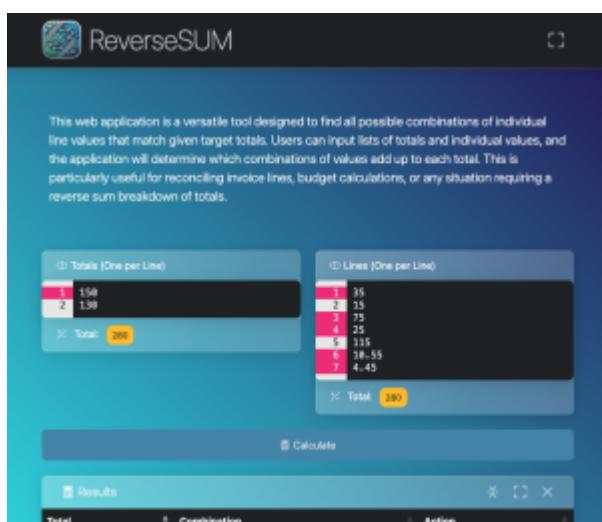
- **Versatile Combination Finder:** Determine all possible combinations of individual values that match given target totals, making it ideal for situations like reconciling invoice lines, budget calculations, or reverse sum breakdowns.
- **Simple Hosting Requirements:** Easily hosted on any web server that supports

`.htaccess` files. No complex setup or dependencies needed.

- **Bilingual Support:** Available in both English and French, making it accessible to a wider range of users.
- **User-Friendly Interface:** Intuitive and easy-to-use interface for quickly inputting lists of totals and individual values.
- **Highlight Matching Results:** Easily highlight matching results by pressing individual values or full lines, making it convenient to visualize combinations.
- **Open Source & Free:** The application is entirely open source and free to use, allowing anyone to host and modify it to suit their needs.

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## Gallery



This web application is a versatile tool designed to find all possible combinations of individual line values that match given target totals. Users can input lists of totals and individual values, and the application will determine which combinations of values add up to each total. This is particularly useful for reconciling invoice lines, budget calculations, or any situation requiring a reverse sum breakdown of totals.

Totals (One per Line)

1	158
2	138
X Total: 286	

Lines (One per Line)

1	35
2	25
3	25
4	25
5	335
6	38.55
7	4.45
X Total: 286	

Total	Combination	Action
158	25 25 25 10.55 4.45	<input type="button" value="Identify"/> <input type="button" value="Remove"/>
138	25 25	<input type="button" value="Identify"/> <input type="button" value="Remove"/>
158	25 10.55 4.45	<input type="button" value="Identify"/> <input type="button" value="Remove"/>

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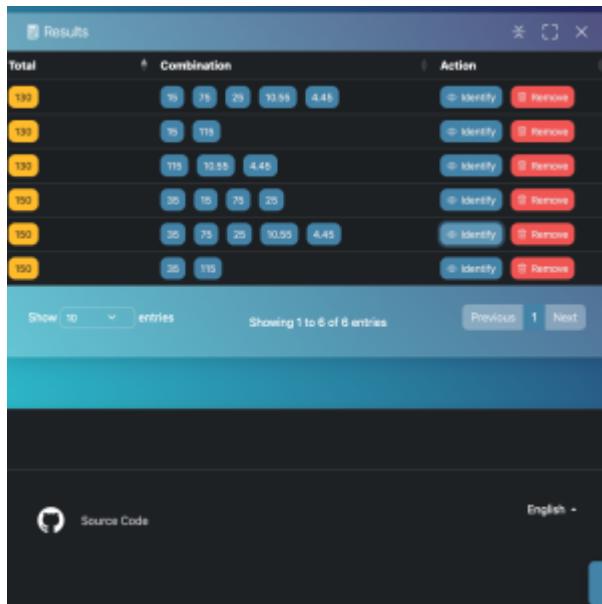
Totals (One per Line)

1
---

Lines (One per Line)

1
---

[Source Code](#) [English](#) ▾



Total	Combination	Action
130	79 78 29 10.55 4.45	<input type="button" value="Identity"/> <input type="button" value="Remove"/>
130	79 115	<input type="button" value="Identity"/> <input type="button" value="Remove"/>
130	115 10.55 4.45	<input type="button" value="Identity"/> <input type="button" value="Remove"/>
130	36 15 78 29	<input type="button" value="Identity"/> <input type="button" value="Remove"/>
130	36 25 25 10.55 4.45	<input type="button" value="Identity"/> <input type="button" value="Remove"/>
130	36 115	<input type="button" value="Identity"/> <input type="button" value="Remove"/>
130	115	<input type="button" value="Identity"/> <input type="button" value="Remove"/>

## Wait, where is the documentation?

Review the [Usage Guide](#)

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