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# ReverseSUM

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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.

## Upload

## Gallery





The screenshot shows the 'Results' window of the ReverseSUM application. It features a table with three columns: 'Total', 'Combination', and 'Action'. There are 6 rows of data. Each row has a yellow 'Total' cell, a blue 'Combination' cell containing several smaller blue cells with numbers, and a red 'Action' cell with 'Identify' and 'Reverse' buttons. Below the table is a pagination bar showing 'Showing 1 to 6 of 6 entries' and 'Previous'/'Next' buttons. At the bottom, there is a 'Source Code' link and a language selector set to 'English'.

Total	Combination	Action
130	75 75 25 13.55 4.45	Identify Reverse
130	75 115	Identify Reverse
130	115 10.55 4.45	Identify Reverse
130	35 15 75 25	Identify Reverse
130	35 75 25 10.55 4.45	Identify Reverse
130	35 115	Identify Reverse

## Wait, where is the documentation?

Review the [Usage Guide](#)

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