

















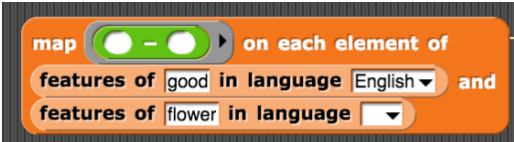


Blocks Function Reference Manual

Operators	
	<p>Basic math operators</p>
	<p>Calculate the average.</p> <p>Tips: Other blocks can be combined within this one. See below:</p> 
Motion & Pen	
	<p>Set two-dimensional coordinates</p>
	<p>Clear the Stage</p>
	<p>Visualize the 300 numbers associated with a word. One way is to draw a succession of vertical lines, one for each feature.</p>

Variables	
	The icon means you can embed other blocks
	Convert the word to a 300-dimensional vector
	Calculate the (Euclidean) distance between two vectors
	Do an operation on two vectors
	Find the closest word to a vector and return a word
	Input the vector of a word and it will return a list of the similar words under the order of distance.
	A list block, it could contain several words or numbers.
	Get the length of a vector or a list
	Get the value of one dimension of a vector. The first, last and random options are provided
	Delete the value of one dimension of a vector. The first, last and all options are provided.
	Replace the value of one dimension of a vector. The first, last and random options are provided.
	Calculate the distance of two words using the vector
	The analogy of word embedding. It maintains the relevance analogy between word vectors.

Tips:

Snap! programming, which is the equivalent of building blocks. When a block is blank, you can try to drag a different Block in, combine two blocks, and see what happens!