05 Algorithm

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Test reference: Algorithm 1, and 2.

Algorithm 1: Vector add function.

```
1 Function add(v_a, v_b):
2 | v_{ret} \leftarrow empty vector with the same length with v_a;
3 | for i=0; i < |v_a|; i++ do
4 | v_{ret}[i] \leftarrow v_a[i] + v_b[i];
5 | end
6 | return v_{ret};
7 end
```

Algorithm 2: Vector add.

```
Input: v_a, an input vector.

v_b, an input vector.

Output: v_{ret}, a vector for output.

1 v_{ret} \leftarrow \text{empty vector with the same length with } v_a; // Initialization.

2 for i=0; i<|v_a|; i++ do

3 | v_{ret}[i] \leftarrow v_a[i] + v_b[i];

4 end
```