

1 $\mathbf{a} + \mathbf{b}$

Negligible

2 \mathbf{a} and \mathbf{b}

Negligible

3 \mathbf{a} as \mathbf{b}

$x :=$ number of items in \mathbf{a}
TODO

4 $\mathbf{avg}(\mathbf{a})$

$x :=$ number of items in \mathbf{a}
TODO

5 $\mathbf{bag}(\mathbf{a})$

$x :=$ number of items in \mathbf{a}
 $-0.491508 + 0.0000295824x^2$
 $r^2 = 0.999962$