

1 a + b (Numerical)

Negligible

2 a and b

Negligible

3 a as b

x := number of items in a
TODO

4 avg(a)

x := number of items in a
 $0.171303 + 0.00296116x + 7.91336 \times 10^{-7}x^2$
 $r^2 = 0.994094$

5 bag(a)

x := number of items in a
 $-0.168636 - 0.000841481x + 0.0000299677x^2$
 $r^2 = 0.999968$

6 a + b (Strings)

Negligible

7 count(a)

x := number of items in a
TODO

8 a_1, a_2, \dots, a_n

$x := n$

$0.226851 - 0.00550817x + 0.0000146711x^2 + 4.80612 \times 10^{-8}x^3$

$r^2 = 0.840262$ Note: If $x \geq 182$, just use 0

9 **if(a)**

Negligible

10 **a contains b**

$x :=$ number of items in a

$0.0152971 - 0.00015426x + 6.87809 \times 10^{-7}x^2$

$r^2 = 0.906738$

11 **deref(a)**

$x :=$ number of times in a

TODO

12 **a / b**

Negligible

13 **a.b**

$x :=$ number of items in a

TODO

14 **a = b (Numerical)**

Negligible

15 $a = b$ (Strings)

Negligible

16 $a.\text{exists}(b)$

$x :=$ number of items in a
TODO

17 $\text{forall}(a)$

$x :=$ number of items in a
TODO

18 $\text{forsome}(a)$

$x :=$ number of items in a
TODO

19 $a \text{ ; } b$

Negligible

20 $a \text{ ; } = b$

Negligible

21 $a \text{ groupas } b$

$x :=$ number of items in a
TODO

22 a in b

x := number of items in b
TODO

23 a[b]

x := number of items in a
TODO

24 a[b]

x := b
TODO

25 a intersect b

x := number of items in b
TODO

26 a join b

x := number of items in b
 $-0.296612 + 0.0033636x + 0.0000845375x^2$
 $r^2 = 0.99998$

27 a ; b

Negligible

28 a ;= b

Negligible

29 **max(a)**

x := number of items in a
TODO

30 **min(a)**

x := number of items in a
TODO

31 **a % b**

Negligible