Reverse Polish to Infix notation (10 points)

The kattis task Reverse Polish to Infix notation (easy) is solved and passed on Kattis. The solution code is in the file ReversePolish.java.

Big-O Quiz (15 points)

F	5 ()		0.0
Function	F(n)	~	O()
Α	2n + 1	~2n	0(n)
В	2n	~2n	0(n)
С	$(n^2 - n)/2$	\sim n ² - n	0(n ²)
D	$2 + (n^2 + n)/2$	\sim n ² + n	0(n²)
E	1	~1	0(1)
F	n/2	~n/2	0(n)
G	2n + 2	~2n	0(n)
Н	Log2 n	~ Log2 n	O(Log2 n)
ı	n * Log2 n	∼n ∗ Log2 n	0(n * Log2 n)
J	n * 2(Log2 n) - n	~n * 2(Log2 n) − n	O(n * 2(Log2 n)) - n
K	sqrt(n)	~ sqrt(n)	O(sqrt(n))
L	[Log2 n + 1]	~[Log2 n]	O(Log2 n)
М	$\sum_{i=0}^{n} \frac{n!}{i!}$		0(n! ⁿ)
N	Log2 n (tilfeldig avrunning)	~ Log2 n	O(Log2 n)
0	$(3^{n-1}-1)/2$	$\sim 3^{n-1}$	$O(3^n)$
Р	n*Log2(n+1)+n	$\sim n * Log2(n) + n$	O(n*Log2(n)+n)
Q	$\lceil Log2(n+1) \rceil$	$\sim [Log2(n+1)]$	O(Log2 n)
R	$1 + 2\lfloor \log 2 n \rfloor + n$	\sim 2[Log2 n] + n	0(n)

Union Find (15 points)

- a) answer in the file FakeboolQuickFind.java
- b) answer in the file FakeboolUnionFind.java
- c) you can use it, but since i used a compresion methode, i dont think it would have bin faster, maybe if you combined them.

Sortable Linked List (30 points)

The troll book task is in the file trollBook.java