

1 BNF

$\langle pair \rangle ::= '(\langle expr \rangle \langle space \rangle \langle expr \rangle)'$

$\langle expr \rangle ::= \langle term \rangle$
| $\langle pair \rangle$
| $\langle expr \rangle \langle expr \rangle$
| $\langle space \rangle \langle expr \rangle$
| $\langle expr \rangle \langle space \rangle$

$\langle term \rangle ::= \langle term \rangle$
| $null? \langle pair \rangle$
| $cons \langle expr \rangle \langle pair \rangle$
| $head \langle pair \rangle$
| $tail \langle pair \rangle$

$\langle nat \rangle ::= 0 \mid 1 \mid 2 \mid 3 \mid 4 \mid 5 \mid 6 \mid 7 \mid 8 \mid 9$
| $\langle nat \rangle \langle nat \rangle$

$\langle bool \rangle ::= true$
| $false$

$\langle space \rangle ::=$
| $\langle space \rangle \langle space \rangle$