

# Certain List BIF's

I'll leave the speculations to you students. 😊

Prepending using the *cons* BIF. Complexity -  $\mathcal{O}(1)$

Speculation here.

Appending using the *conj* BIF. Vectors should be used instead of lists for this.

Complexity -  $\Theta(1)$

Speculation here.

Accessing the head and leaving the tail of a list using the *peek* and *pop* BIFs.

Complexity -  $\Theta(1)$

Speculation here.

Inserting in the middle of a list using the *split-at* BIF to break the list into the 'before' and 'after' parts and the *cons* BIF to prepend the inserted value to the 'after' and then prepend the 'before' to this partially composed list. Complexity -  $\Theta(n)$

Speculation here.