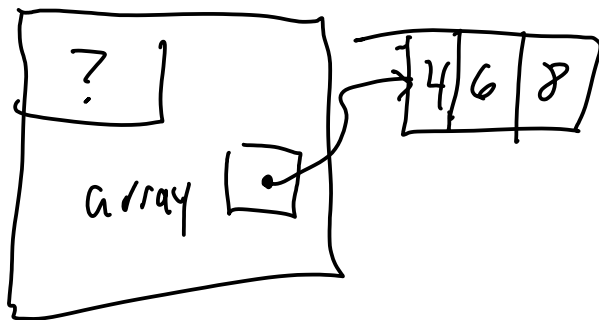


# Lists

- have varying size



sublist  
[2:4]

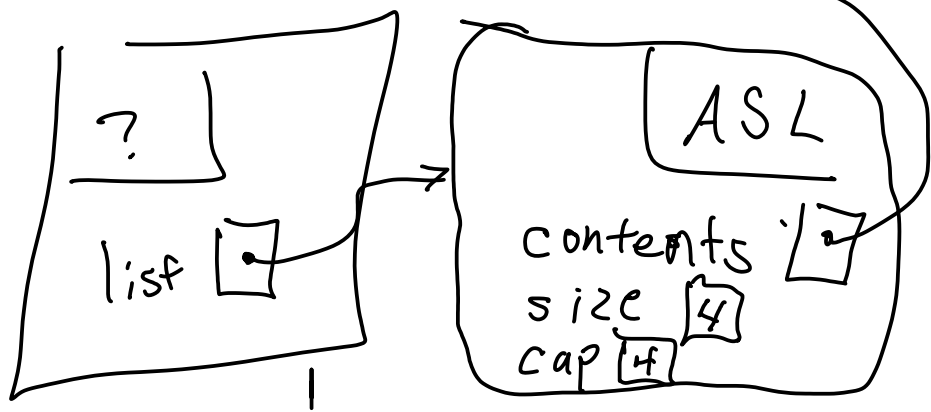
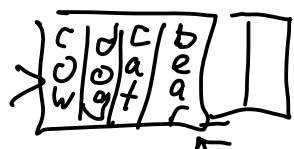
With a list, I can

- add elements
- get things (by position)
- ask for size
- remove elements
- search

Abstract  
Data  
Type

size  $\leq$  cap

cap is the allocated size  
of contents



2.  
4.  
8.  
16.  
32.  
64.  
128. ←  
256.

add n elements

$$\log_2(n)$$