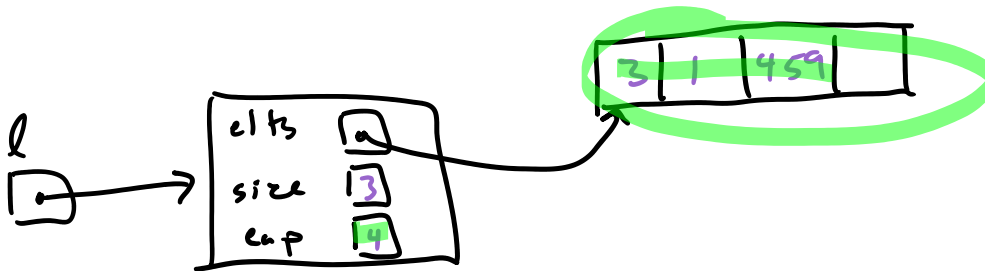
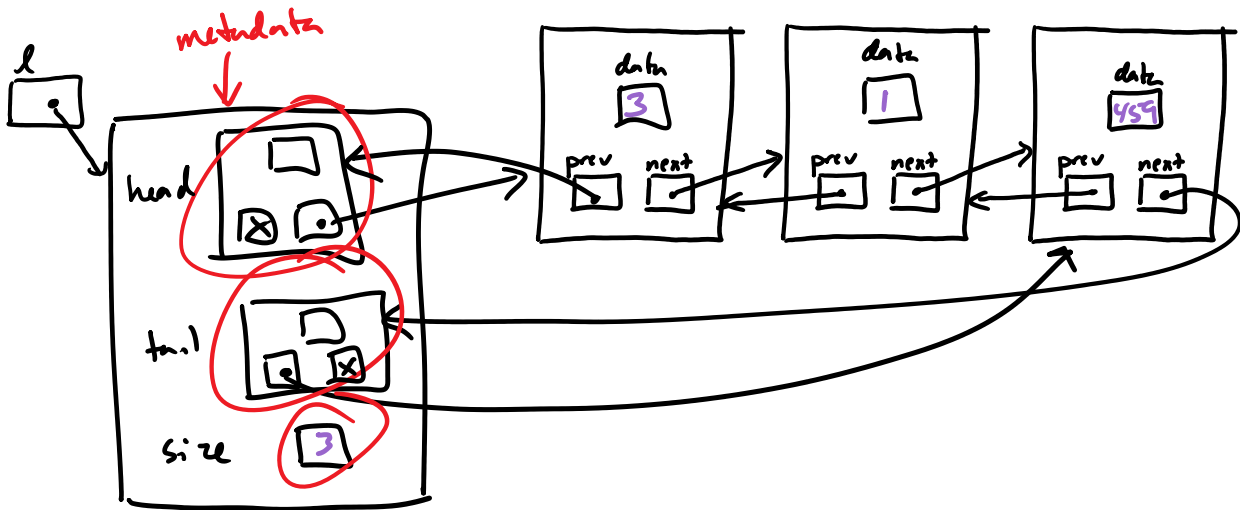
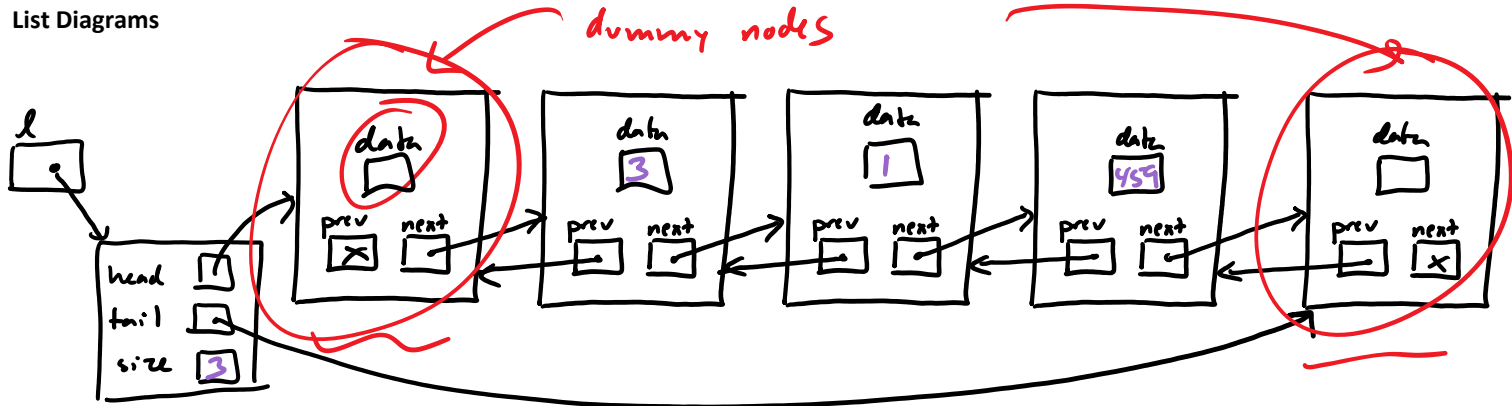
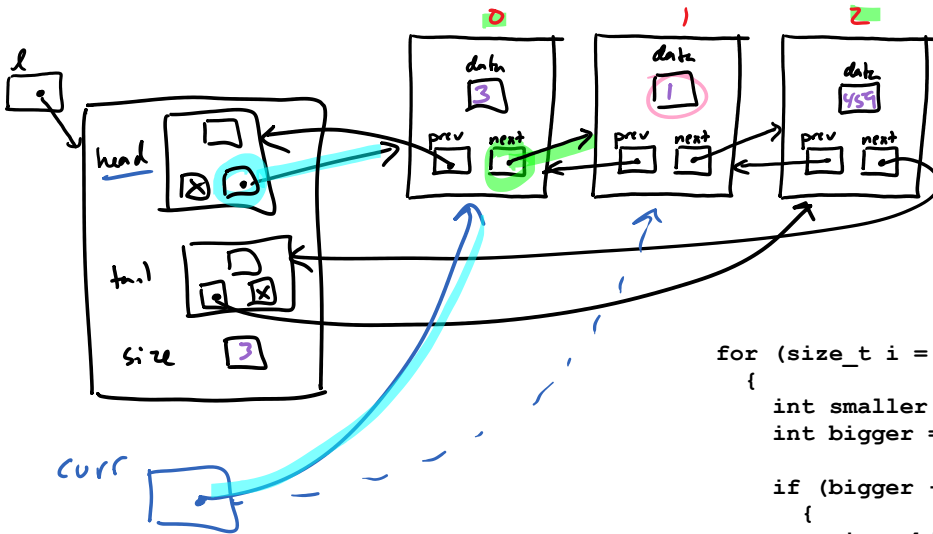


List Diagrams



Get



$i$  steps

```

curr = l -> head.next;
for (j = 0; j < i; j++)
    curr = curr -> next;
return curr -> data;
    
```

```

for (size_t i = 0; i < n - 1; i++)
{
    int smaller = list_get(nums, i);
    int bigger = list_get(nums, i + 1);

    if (bigger - smaller < min)
    {
        min = bigger - smaller;
    }
}
    
```

$i$	iterations
$0$	$n$
$1$	$n-1$
$2$	$n-2$
$\vdots$	$\vdots$
$n-2$	$n-2$
$(n-2)(n-1)$	
$\frac{1}{2}$	
$\frac{n^2}{2}$	
$\Theta(n^2)$	

