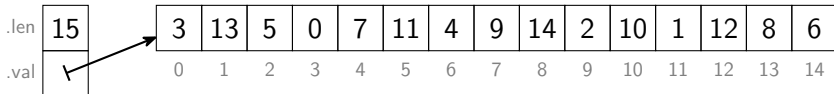


```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];
    uint a = -1;
    uint b = t.len;
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

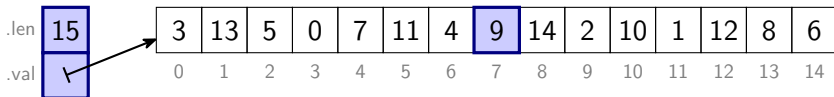
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];
    uint a = -1;
    uint b = t.len;
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

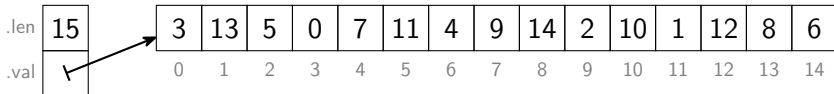
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;
    uint b = t.len;
    while (1) {
        do { a++; } while (t.val[a] < pivot);
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

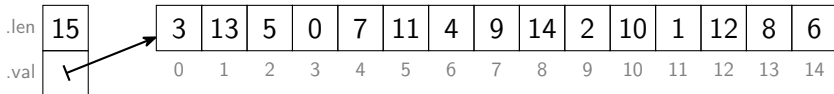
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;
    uint b = t.len;
    while (1) {
        do { a++; } while (t.val[a] < pivot);
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* -1 */
    uint b = t.len;
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

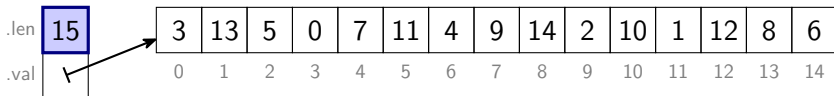
```

.len	15															
.val		3	13	5	0	7	11	4	9	14	2	10	1	12	8	6
		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14

```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* -1 */
    uint b = t.len;
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

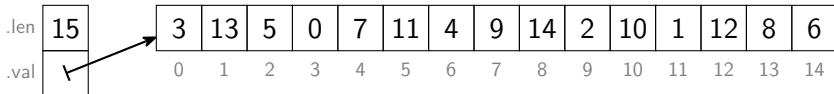
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* -1 */
    uint b = t.len;    /* 15 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

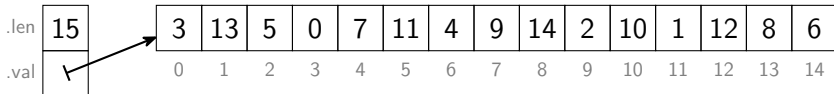
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* -1 */
    uint b = t.len;    /* 15 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

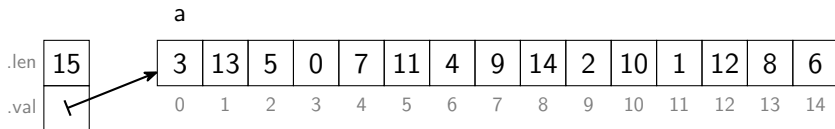
```




```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 0 */
    uint b = t.len;    /* 15 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

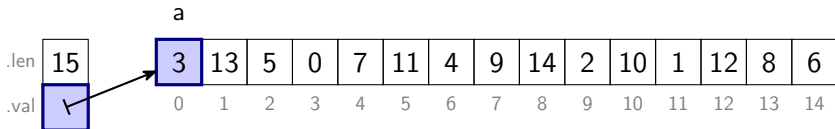
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 0 */
    uint b = t.len;    /* 15 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

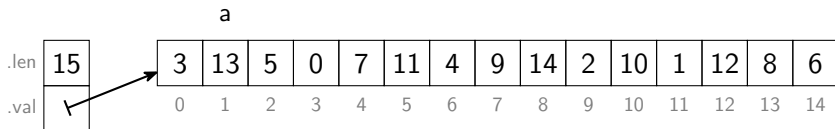
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len;    /* 15 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

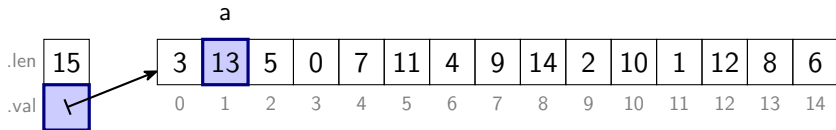
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len;    /* 15 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

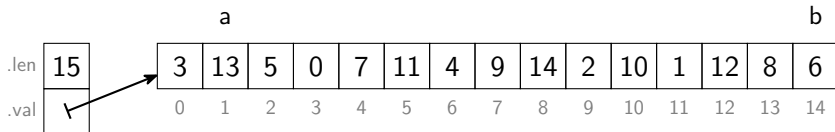
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

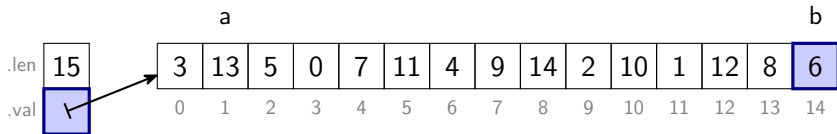
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len;    /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

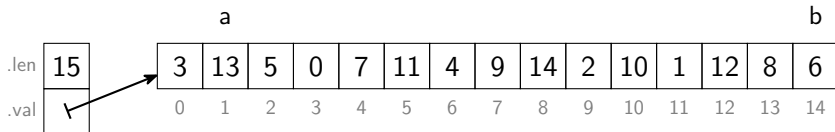
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len;    /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

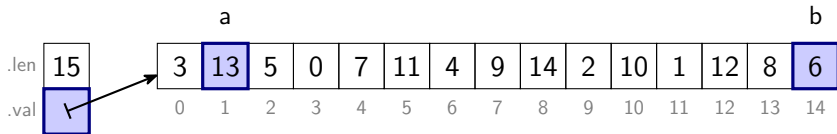
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

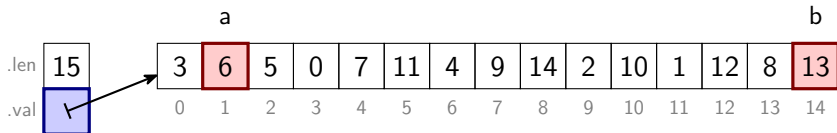
```




```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

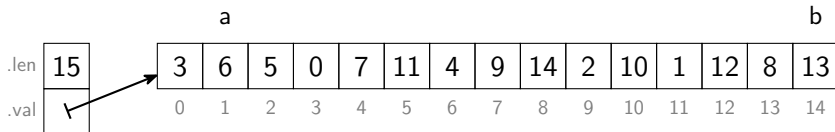
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 1 */
    uint b = t.len;    /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

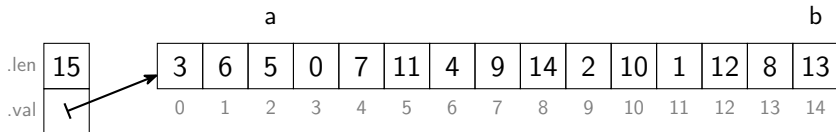
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 2 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

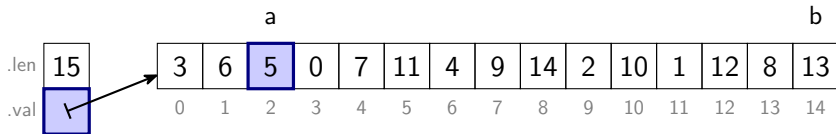
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 2 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

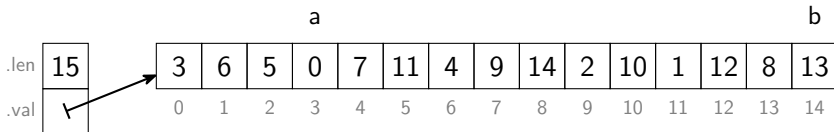
```



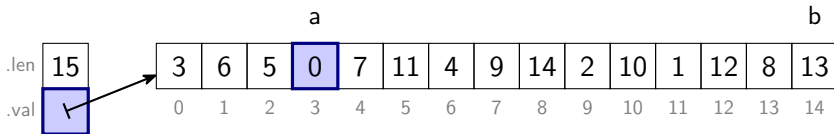
```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 3 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

```



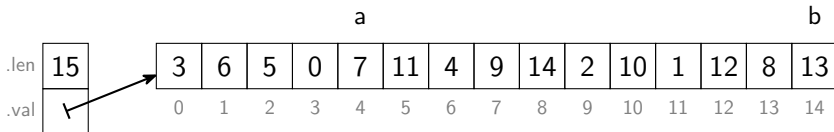
```
uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 3 */
    uint b = t.len;    /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 4 */
    uint b = t.len;    /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

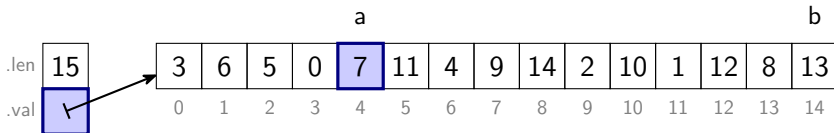
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 4 */
    uint b = t.len;    /* 14 */
    while (1) {
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

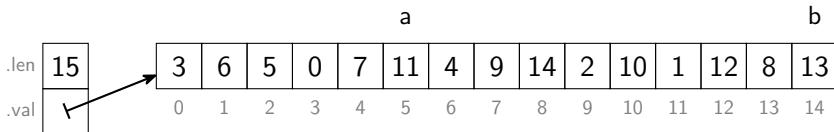
```




```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len; /* 14 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

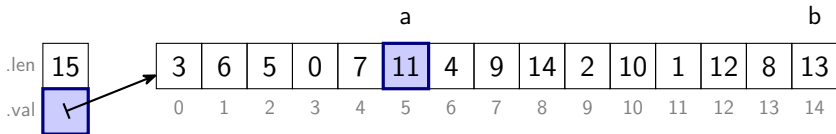
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len;    /* 14 */
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        swap(t, a, b);
    }
}

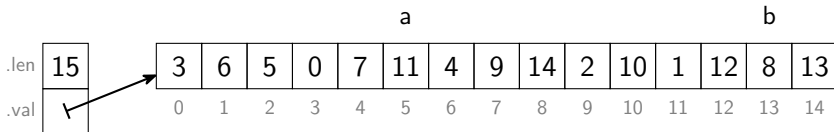
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

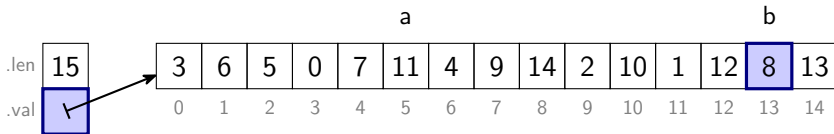
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

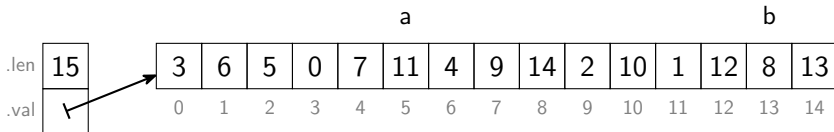
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
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    while (1) {
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        swap(t, a, b);
    }
}

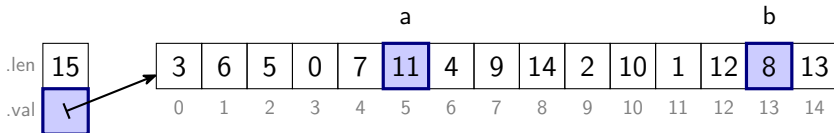
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len; /* 13 */
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

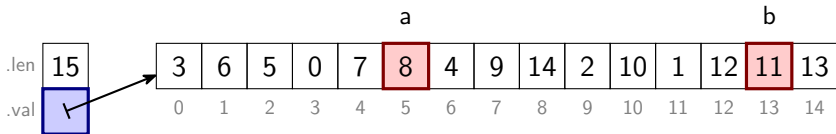
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

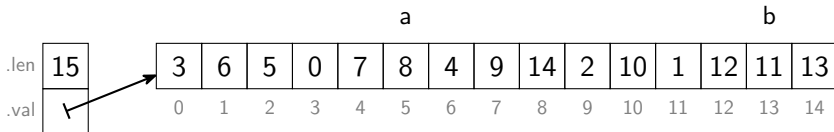
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 5 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

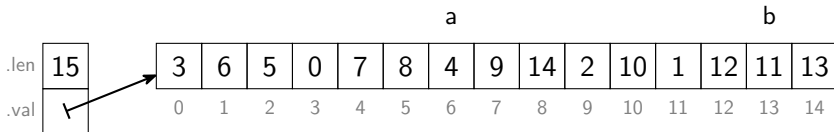
```




```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 6 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

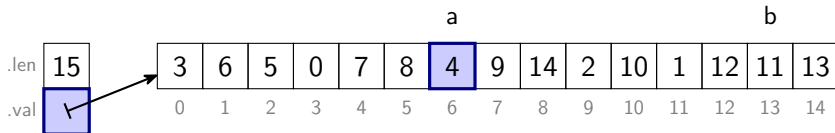
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 6 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

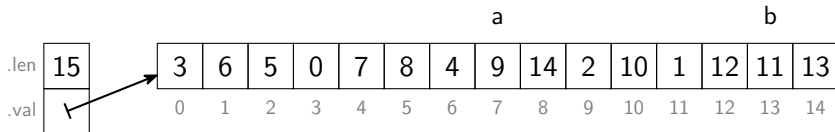
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len; /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

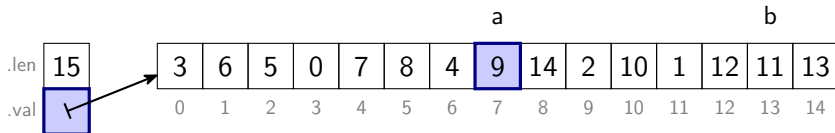
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len;    /* 13 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

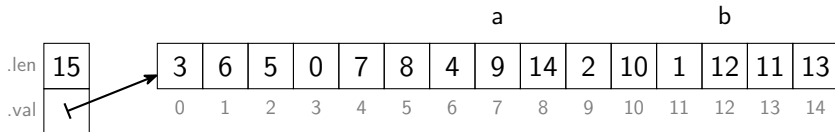
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len;    /* 12 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

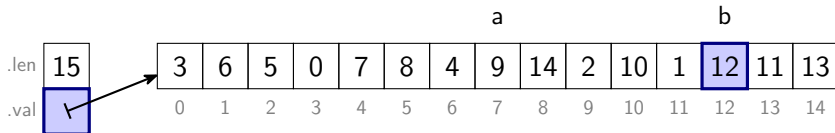
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];  /* 9 */
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

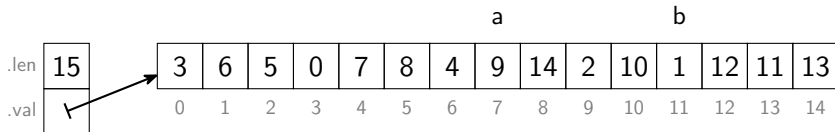
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len;    /* 11 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

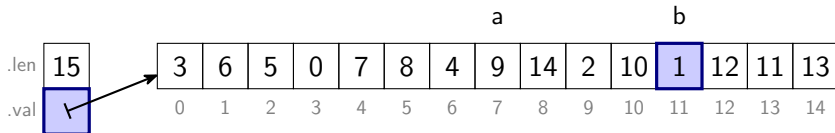
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len;    /* 11 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

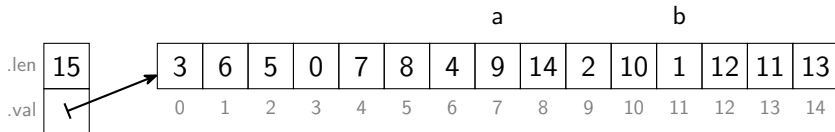
```




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uint partition (Tab t) {
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    uint a = -1;    /* 7 */
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        do { a++; } while (t.val[a] < pivot);
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        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

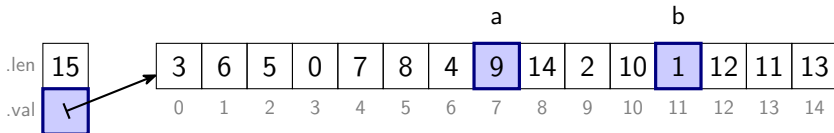
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len; /* 11 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

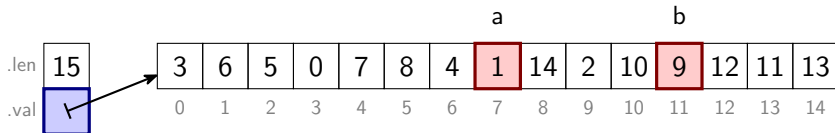
```



```

uint partition (Tab t) {
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    uint a = -1;    /* 7 */
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    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

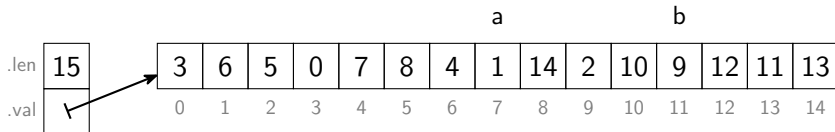
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 7 */
    uint b = t.len;    /* 11 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

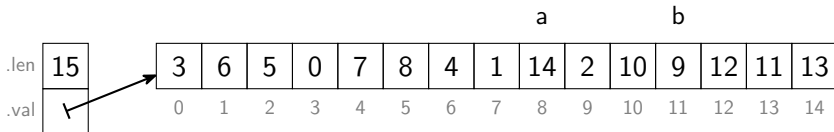
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len;    /* 11 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

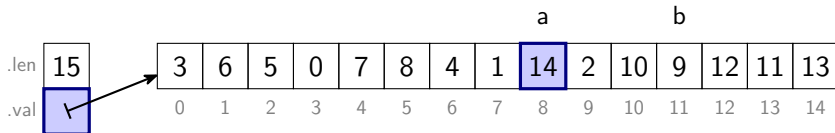
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len;    /* 11 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

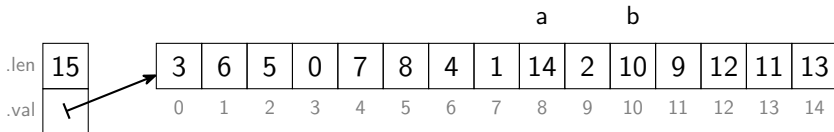
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len;    /* 10 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

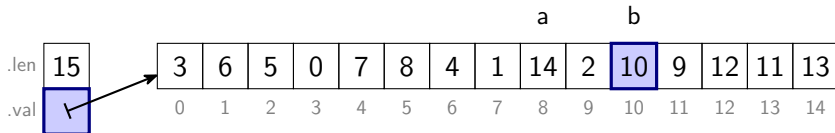
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len; /* 10 */
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        swap(t, a, b);
    }
}

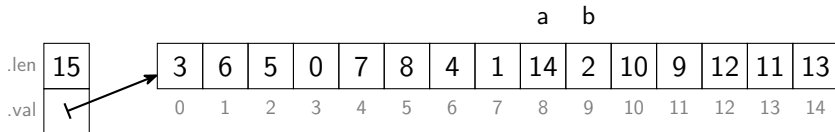
```



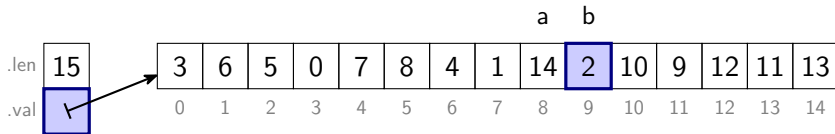

```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len;    /* 9 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
        do { b--; } while (t.val[b] > pivot);
        if (a >= b) { return b; }
        swap(t, a, b);
    }
}

```



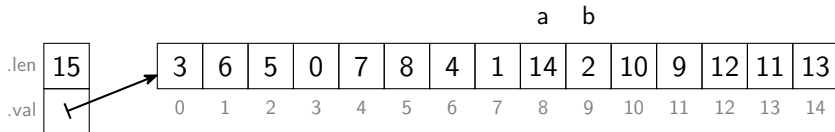
```
uint partition (Tab t) {
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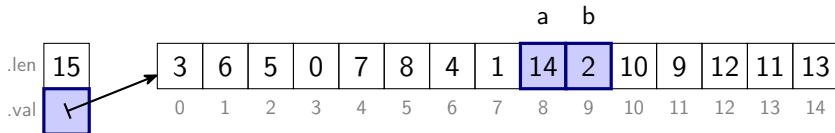
```



```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len;    /* 9 */
    while (1) {
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    }
}

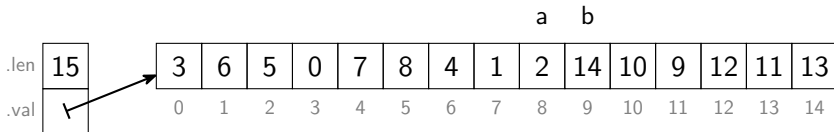
```




```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
    uint a = -1;    /* 8 */
    uint b = t.len;    /* 9 */
    while (1) {
        do { a++; } while (t.val[a] < pivot);
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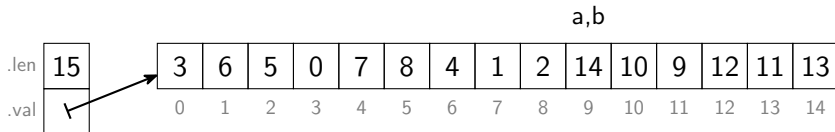
```



```

uint partition (Tab t) {
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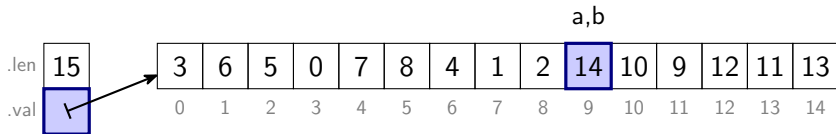
```



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    }
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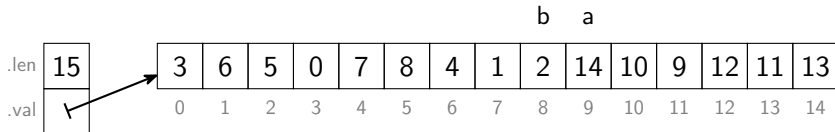
```




```

uint partition (Tab t) {
    int pivot = t.val[(t.len-1)/2];    /* 9 */
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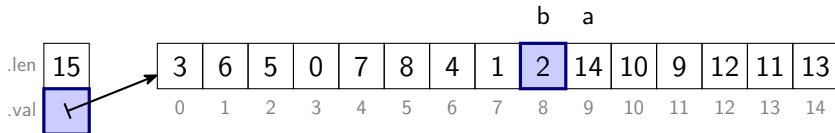
```



```

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        swap(t, a, b);
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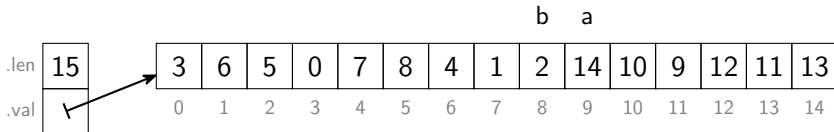
```



```

uint partition (Tab t) {
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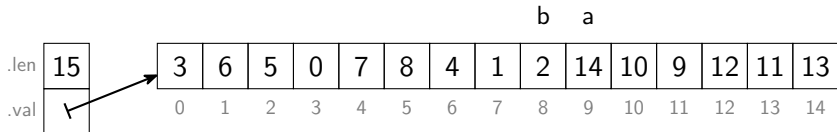
```



```

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