

```
// 「Cで学ぶデータ構造とアルゴリズム」(西原清一)オーム社, 2008
// 図7・1 (p.150) 単純選択法による整列
```

```
#include<stdio.h>
```

```
#define      N      7
```

```
int a[N] = {44, 33, 88, 99, 44, 22, 55};
```

```
void straight_selection()
```

```
{    int i, j, p, w;
    for (i=0; i < N-1; i++) {
        p = i; w = a[p];
        for (j = i+1; j < N; j++)
            if (a[j] < w) {p = j; w = a[p];}
        a[p] = a[i]; a[i] = w;
    }
}
```

```
main()
```

```
{    int i;
    straight_selection();
    for (i=0; i<N; i++) printf("a[%d]=%d    ", i, a[i]);
    printf("\n\n");
}
```