

In a parking lot, the car attendant has to rearrange cars from given initial positions to target positions. There is always only one empty space in the parking lot. Cars can only be moved to the empty space creating a new empty space in the place where the car was before moving. The initial and target are vector<int> of same size with each int representing the car number and 0 representing an empty space.

The size of the vector is the total number of parking spaces where first being space 0, then space 1 and so on.

Example Input:

vector<int> initial arrangement (for example) is [0,4,2,5,1,3]

vector<int> target arrangement (for example) is [0,1,5,3,2,4]

Space 0,Space 1,Space 2,Space 3,Space 4,Space 5

Example Output:

A sequence of print statements like the one below which moves car no 5 to the empty space (thus creating an empty space at space 3 and leading to the second arrangement of [5,4,2,0,1,3]):

Move car from space 3 to space 0

The function signature for C++ is:

void PrintDirections(vector<int> initial, vector<int> target)

```
{  
    ....Complete the function....  
}
```

Use any language you are good with.