1.

```
/* a.      */
// assigning [0] and [2] as true, as the data type is bool, the rest would automaticallly assigned as false.
bool pathway[8] = {[0] = true, [2] = true};
```

```
/* b.      */
// assigning values only upto pathway[2], as if the initialization is less than the array, it will automatically 0 or false in bool
bool pathway[8] = {true,false,true}
```

2.

I added 1 boolean variable (for while loop, 3 scalar variable (2 of which is used for for loops and 1 for input), and 2 arrays (for alphabet station, and 0,1 values).

used for loops with plenty of countless adjustments of space to find the nice look of for printing the matrix.

used switch cases to tell the user what station he/she is currently in.

used while loop with the Boolean variable to enclose the whole cases of designating what charing station , the user current station goes to.

added two conditionals, if user is in charging station or not.

if yes, indicate that current station is charging station

if no, check if current station row (in the adjacency matrix) has charging stations C/D the value of 1.
if yes, indicate which charging station
if no, check if current stations is A or H, if A go to charging station C, if H go to charging stations C

I couldn't think of a way to redirect A/H to another station, and basing on the sample cases where after indicating the current station of the user, the next output would be what nearest charging station the current station would go in. Then basing on the visual map where A is near C, and H near D, hence the output.