INPUT

```
k_knights.cpp

k_knights.cpp > knight(vector<vector<int>>, int, int, int)
72    }
73
74    void knight(vector<vector<int>> board, int k, int st_i, int st_j){
75        if(k==0){
76            display(board);
77            count_ans += 1;
```

PROBLEMS   DEBUG CONSOLE   TERMINAL   JUPYTER

```
apple@apples-MacBook-Pro AI LAB % cd "/Users/apple/Desktop/AI LAB/" && g++ k_knights.cpp -o k_knights && "/Users/apple/Desktop/AI LAB/"k_knights
Enter the size of the chess board mxn
6 6
Enter the number of knights to be placed
17
K K . K . K
K . . . K .
. . . K . K
K . K . K .
. K . K . K
K . K . K .

K . K . K K
. K . K . .
. K . K . K
K . K . K .
. K . K . K

K . K . K .
. K . K . K
. K . K . K
K . K . K .
. K . K . .

K . K . K .
. K . K . K
. K . K . K
K . K . K .
. K . . . K

K . K . K .
. K . K . K
K . K . K .
. K . K . K
. . . K . K

K . K . K .
. K . K . K
. K . K . K
K . K . . .
. K . K . K
```

Ln 76, Col 24   Spaces: 4   UTF-8   LF   C++   Go Live   Mac   Prettier

OUTPUT

```
k_knights.cpp

k_knights.cpp > display(vector<vector<int>>)
1    #include<bits/stdc++.h>
2    #include<chrono>
3    using namespace std::chrono;
4    using namespace std;
5
6    int m;
7    int n;
8    int ans_count = 0;
9
10
11   void display(vector<vector<int>> board){
12       for(int i=0;i<m;i++){
13           for(int j=0;j<n;j++){
14               if(board[i][j] == 3){
15                   cout<<"K ";
16               }
17               else{
18                   cout<<". ";
```

PROBLEMS   DEBUG CONSOLE   TERMINAL   JUPYTER

```
. . K . K .
. K . K . K
K . K . K .
. K . K . K
K . K . K .

. K . K . .
K . K . K .
. K . K . K
. K . K . K
K . K . K .

. K . . . K
K . K . K .
. K . K . K
K . K . K .
. K . K . K

. . K . K .
. K . K . K
K . K . K .
. K . K . K
K . K . K .

. . . K . K
K . K . K .
. K . K . K
. K . K K
K . K . K .

fdThe total no. of solutions are : 40
Time taken is : 31369316 microseconds
apple@apples-MacBook-Pro AI LAB % fd
```

Ln 11, Col 41   Spaces: 4   UTF-8   LF   C++   Go Live   Mac   Prettier