```
clude <stdio.h>
void optimal_BST(float p[], float q[], int n, float e[][n+1], int root[][n+1]) {
int main() {
printf("Printing the root matrix \n");
```

```
printf("\n");

return 0;
}
```

```
[] ( c Share
                                                             Run
                                                                      Output
 main.c
 41
                                                                    Printing the root matrix
 28
           }
                                                                     1 1 2 2
 29 }
                                                                     2 2 2
 30 }
                                                                     3 3
 31
 32 - int main() {
 33 int n = 4;
 34 float p[] = {0.1, 0.2, 0.4, 0.3};
                                                                     === Code Execution Successful ===
 35 float q[] = {0.05, 0.1, 0.05, 0.05, 0.1};
 36
 37
      float e[n + 2][n + 1];
 38     int root[n + 1][n + 1];
 39
      for (int i = 0; i <= n + 1; i++) {
 40 +
 41 -
       for (int j = 0; j \le n; j++) {
          e[i][j] = 0;
 42
 43
              root[i][j] = 0;
 44
 45
     }
 46
 47
      optimal_BST(p, q, n, e, root);
 48 printf("Printing the root matrix \n");
 49 - for(int i=1;i<=n;i++){
 50 - for(int j=i;j<=n;j++){
        printf("%d ",root[i][j]);
 51
 52 }
 53 printf("\n");
 54 }
 55
       return 0;
56 }
```