



```

print ("1 2")
    ("6 1 11")

for i in cur.data:
    for j in i:
        print (j, end=" ")
        print (" ")

if (self.h (cur.data, goal) == 0):
    break

for i in cur.generate_children():
    i.isGoal = self.h (i, goal)
    self.open.append(i)

self.open.sort (key = lambda i: i.fval,
               reverse = False)

puzz = Puzzle(3)
puzz.puzzle()

```

Output:-

Enter the state matrix

```

1 2 3
4 6
7 5 8

```

Enter the goal matrix

```

1 2 3
4 5 6
7 8 0

```

↓

```

1 2 3
4 6
7 5 8

```

↓

```

1 2 3
4 5 6
7 8

```

↓

```

1 2 3
4 5 6
7 8

```

Enter the start state matrix

1 2 3

4 5 6

— 7 8

Enter the goal state matrix

1 2 3

4 5 6

7 8 _

↓

1 2 3

4 5 6

78

↓

1 2 3

4 5 6

7 8

!

