

```
We are using A* search
Enter the start state
1 5 2
7 4 3
_ 8 6
Enter the goal state
1 2 3
4 5 6
7 8 _
```

Rectangular Snip

```
|
|
Y
```

```
1 5 2
7 4 3
_ 8 6
Number of moves: 1
```

```
|
|
Y
```

```
1 5 2
_ 4 3
7 8 6
Number of moves: 2
```

```
|
|
Y
```

Number of moves: 2

|
|
Y

1 5 2

4 _ 3

7 8 6

Number of moves: 3

|
|
Y

1 _ 2

4 5 3

7 8 6

Number of moves: 4

|
|
Y

1 2 _

4 5 3

7 8 6

Number of moves: 5

|
|
Y

Number of moves: 4

|
|
Y

1 2 _
4 5 3
7 8 6

Number of moves: 5

|
|
Y

1 2 3
4 5 _
7 8 6

Number of moves: 6

|
|
Y

1 2 3
4 5 6
7 8 _

Number of moves: 7

[]: