```
------------

Solution path

------------
f(n) = 3.0
g(n) = 0
h(n) = 3.0

1 * 3
4 2 6
7 5 8
------------
f(n) = 3.0
g(n) = 1
h(n) = 2.0

1 2 3
4 * 6
7 5 8
------------
f(n) = 3.0
g(n) = 2
h(n) = 1.0

1 2 3
4 5 6
7 * 8
```

```
-------------
f(n) = 3.0
g(n) = 3
h(n) = 0.0

1 2 3
4 5 6
7 8 *
-------------
To solve this problem the search algorithm expanded a total of 3 nodes
The maximum number of nodes in the queue at any one time: 6
```