```
Solving 8-puzzle using A*:

So
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Path length 7: [[1, 5, 2],
Path length 7: [[2, 0, 3],
Path length 7: [[4, 1, 2],
Path length 7: [[4, 1, 3],
Path length 7: [[4, 1, 3],
Path length 7: [[4, 1, 3],
Path length 8: [[0, 1, 3],
Path length 8: [[0, 2, 3],
Path length 8: [[0, 2, 3],
Path length 8: [[1, 2, 0],
Path length 8: [[1, 2, 3],
Path length 8: [[1, 0, 3],
Path length 9: [[1, 2, 3],
Path length 9: [[1, 2, 3],
Path length 10: [[1, 2, 3],
Path length 10: [[1, 2, 3],
Path length 10: [[1, 2, 3],
Path length 11: [[1, 2, 3],
Path length 12: [[1, 2, 3],
Path length 14: [[1, 2, 3],
Path length 15: [[1, 2, 3],
Path length 16: [[1, 2, 3],
Path length 17: [[1, 2, 3],
Path length 18: [[1, 2, 3],
Path length 19: [[1, 2, 3
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8]]
            ...Program finished with exit code 0
Press ENTER to exit console.
```



