創新AI碩一

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何哲平

〔因為圖紙有些凌亂，所以我用Word重新整理〕

1. Initial State

lever=0, g(n)=0

|  |  |  |
| --- | --- | --- |
| 3 | 5 | 7 |
| 6 | X | 4 |
| 2 | 1 | 8 |

h=7, f=7

1. lever=1, g(n)=1

|  |  |  |
| --- | --- | --- |
| 3 | 5 | 7 |
| X | 6 | 4 |
| 2 | 1 | 8 |

h=7, f=8

1. lever=2, g(n)=2

|  |  |  |
| --- | --- | --- |
| 3 | 5 | 7 |
| 2 | 6 | 4 |
| X | 1 | 8 |

h=6, f=8

1. lever=3, g(n)=3

|  |  |  |
| --- | --- | --- |
| 3 | 5 | 7 |
| 2 | 6 | 4 |
| 1 | X | 8 |

h=5, f=8

1. lever=4, g(n)=4

|  |  |  |
| --- | --- | --- |
| 3 | 5 | 7 |
| 2 | X | 4 |
| 1 | 6 | 8 |

h=5, f=9

1. lever=5, g(n)=5

|  |  |  |
| --- | --- | --- |
| 3 | 5 | 7 |
| 2 | 4 | X |
| 1 | 6 | 8 |

h=5, f=10

1. lever=6, g(n)=6

|  |  |  |
| --- | --- | --- |
| 3 | 5 | X |
| 2 | 4 | 7 |
| 1 | 6 | 8 |

h=5, f=11

1. lever=7, g(n)=7

|  |  |  |
| --- | --- | --- |
| 3 | X | 5 |
| 2 | 4 | 7 |
| 1 | 6 | 8 |

h=4, f=11

1. lever=8, g(n)=8

|  |  |  |
| --- | --- | --- |
| 3 | 4 | 5 |
| 2 | X | 7 |
| 1 | 6 | 8 |

h=3, f=11

1. lever=9, g(n)=9

|  |  |  |
| --- | --- | --- |
| 3 | 4 | 5 |
| 2 | 6 | 7 |
| 1 | X | 8 |

h=3, f=12

1. lever=10, g(n)=10

|  |  |  |
| --- | --- | --- |
| 3 | 4 | 5 |
| 2 | 6 | 7 |
| 1 | 8 | X |

h=2, f=12

1. lever=11, g(n)=11

|  |  |  |
| --- | --- | --- |
| 3 | 4 | 5 |
| 2 | 6 | X |
| 1 | 8 | 7 |

h=1, f=12

1. Goal State

lever=12, g(n)=12

|  |  |  |
| --- | --- | --- |
| 3 | 4 | 5 |
| 2 | X | 6 |
| 1 | 8 | 7 |

h=0, f=12