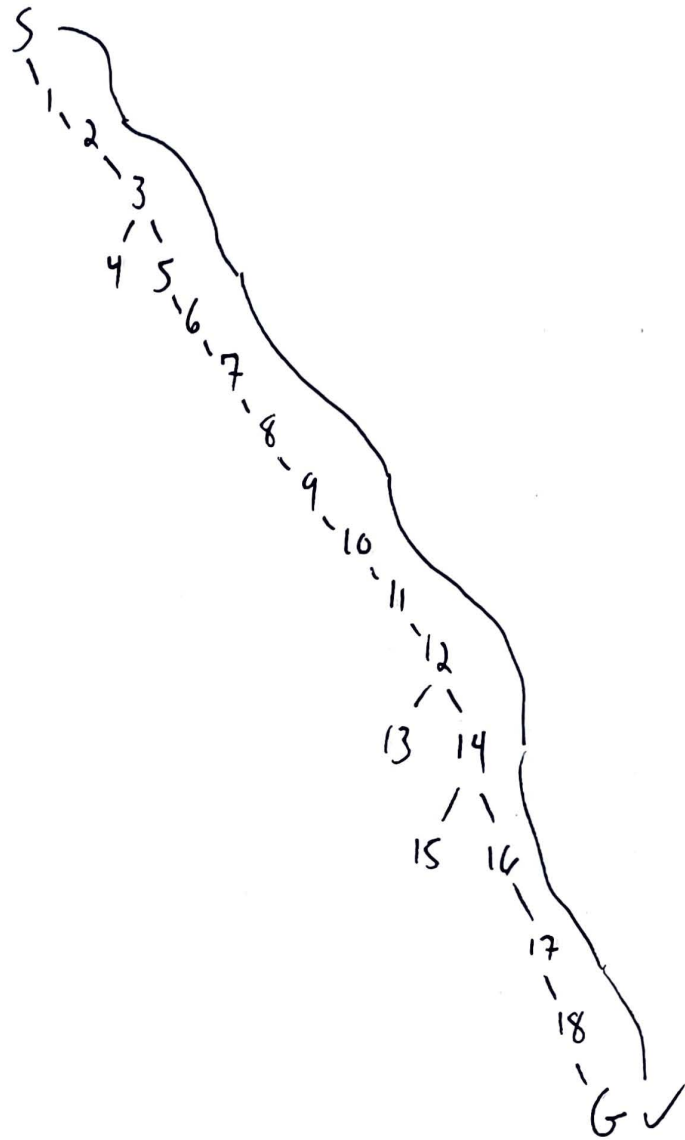


| n | $h(n)$ | $g(n)$ | $f(n)$ | parent |
|-----|--------|--------|--------|--------|
| 5 | 6 | 0 | 6 | — |
| 1 | 7 | 1 | 8 | 5 x |
| 2 | 8 | 2 | 10 | 1 x |
| 3 | 7 | 3 | 10 | 2 x |
| 4 | 8 | 4 | 12 | 3 |
| 5 | 6 | 4 | 10 | 3 x |
| 6 | 5 | 5 | 10 | 5 x |
| 7 | 4 | 6 | 10 | 6 x |
| 8 | 3 | 7 | 10 | 7 x |
| 9 | 2 | 8 | 10 | 8 x |
| 10 | 3 | 9 | 12 | 9 x |
| 11 | 4 | 10 | 14 | 10 x |
| 12 | 5 | 11 | 16 | 11 x |
| 13 | 6 | 12 | 18 | 12 |
| 14 | 4 | 12 | 16 | 12 x |
| 15 | 5 | 13 | 18 | 14 |
| 16 | 3 | 13 | 16 | 14 x |
| 17 | 2 | 14 | 16 | 16 x |
| 18 | 1 | 15 | 16 | 17 x |
| 6 | 0 | 16 | 16 | 18 ✓ |



Total Cost: 16