|  |  |
| --- | --- |
| Input | Output |
| 122 1 2  128 1 1  113 1 2  118 2 3  119 2 5  115 2 9  127 3 1  156 3 4  112 3 5  121 3 7  -1 | 122 6 1 3 0  128 5 1 2 0  113 4 1 3 0  118 5 2 5 0  119 3 2 7 0  115 2 2 11 0  127 6 3 4 0  156 4 3 7 0  112 1 3 8 0  121 6 4 11 1  6 10  5 4  4 6  3 5  2 9  1 5 |