Augmented Matrix for Linear System:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 122 |
| 1 | 1 | 1 | 1 | 1 | -1 | -1 | -1 | -1 | -88 |
| 1 | -1 | 1 | -1 | 1 | -1 | 1 | -1 | 1 | 32 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 7 |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 18 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 76 |
| 9 | -8 | 7 | -6 | 5 | -4 | 3 | -2 | 1 | 41 |
| 1 | 1 | -1 | 1 | 1 | -1 | 1 | 1 | -1 | 0 |

Gemstones on the Floor of the Great Hall of the Dwarf King:

35 89 52 66 82 20 95 21

79 5 14 23 78 37 40 74

32 59 17 25 31 4 16 63

91 11 77 48 13 71 92 15

56 70 47 64 22 88 67 12

83 97 94 27 65 51 30 7

10 41 1 86 46 24 53 93

96 33 44 98 75 68 99 84