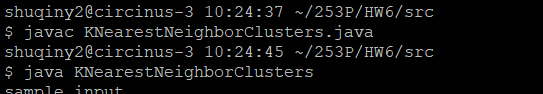
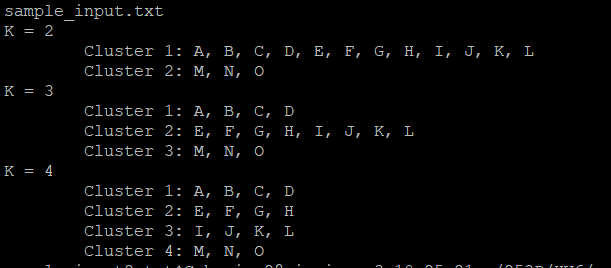
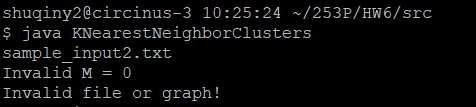
Compile



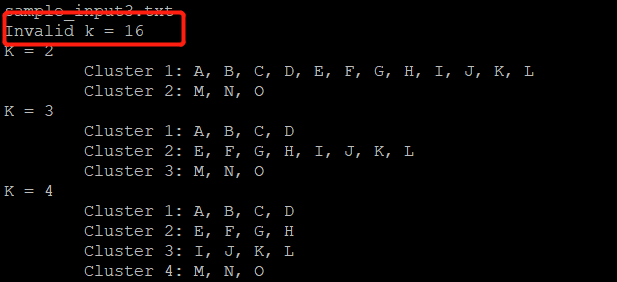
|  |  |
| --- | --- |
| Input:  15  A 6 2 B 7 3 C 9 3 D 8 5 E 9 8 F 8 9 G 7 10 H 6 11 I 8 14 J 6 14 K 4 14 L 2 14 M 2 8 N 2 6 O 3 5  2 3 4 | output:  K=2  Cluster 1: A, B, C, D, E, F, G, H, I, J, K, L  Cluster 2: M, N, O  K=3  Cluster 1: A, B, C, D  Cluster 2: E, F, G, H, I, J, K, L  Cluster 3: M, N, O  K=4  Cluster 1: A, B, C, D  Cluster 2: E, F, G, H  Cluster 3: I, J, K, L  Cluster 4: M, N, O |



|  |  |
| --- | --- |
| Input:  **0** | output:  **error message** |



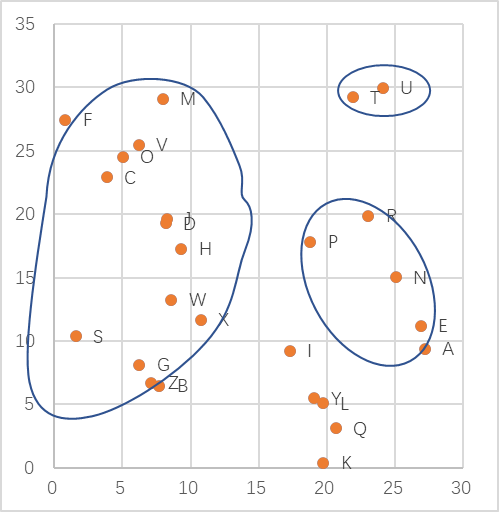
|  |  |
| --- | --- |
| Input:  15  A 6 2 B 7 3 C 9 3 D 8 5 E 9 8 F 8 9 G 7 10 H 6 11 I 8 14 J 6 14 K 4 14 L 2 14 M 2 8 N 2 6 O 3 5  2 3 4  **16** | output:  K=2  Cluster 1: A, B, C, D, E, F, G, H, I, J, K, L  Cluster 2: M, N, O  K=3  Cluster 1: A, B, C, D  Cluster 2: E, F, G, H, I, J, K, L  Cluster 3: M, N, O  K=4  Cluster 1: A, B, C, D  Cluster 2: E, F, G, H  Cluster 3: I, J, K, L  Cluster 4: M, N, O  **Error message** |



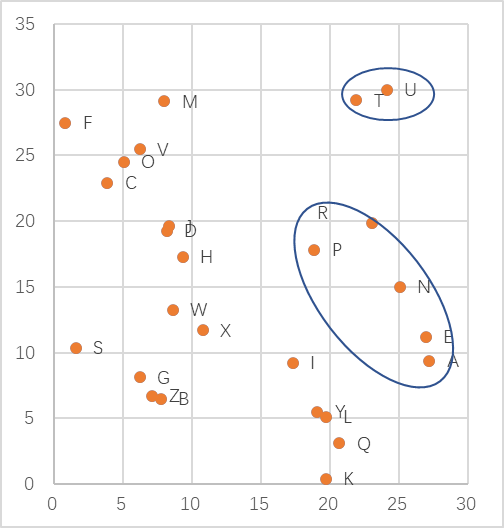
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Input:  26   |  |  |  | | --- | --- | --- | | A | 27 | 9 | | B | 8 | 6 | | C | 4 | 23 | | D | 8 | 19 | | E | 27 | 11 | | F | 1 | 27 | | G | 6 | 8 | | H | 9 | 17 | | I | 17 | 9 | | J | 8 | 20 | | K | 20 | 0 | | L | 20 | 5 | | M | 8 | 29 | | N | 25 | 15 | | O | 5 | 25 | | P | 19 | 18 | | Q | 21 | 3 | | R | 23 | 20 | | S | 2 | 10 | | T | 22 | 29 | | U | 24 | 30 | | V | 6 | 25 | | W | 9 | 13 | | X | 11 | 12 | | Y | 19 | 5 | | Z | 7 | 7 |   3 4  5 | output:  K = 3  Cluster 1: A, E, N, P, R  Cluster 2: B, C, D, F, G, H, I, J, K, L, M, O, Q, S, V, W, X, Y, Z  Cluster 3: T, U  K = 4  Cluster 1: A, E, N, P, R  Cluster 2: B, C, D, F, G, H, J, M, O, S, V, W, X, Z  Cluster 3: I, K, L, Q, Y  Cluster 4: T, U  K = 5  Cluster 1: A, E, N, P, R  Cluster 2: B, G, S, Z  Cluster 3: C, D, F, H, J, M, O, V, W, X  Cluster 4: I, K, L, Q, Y  Cluster 5: T, U  Input: |

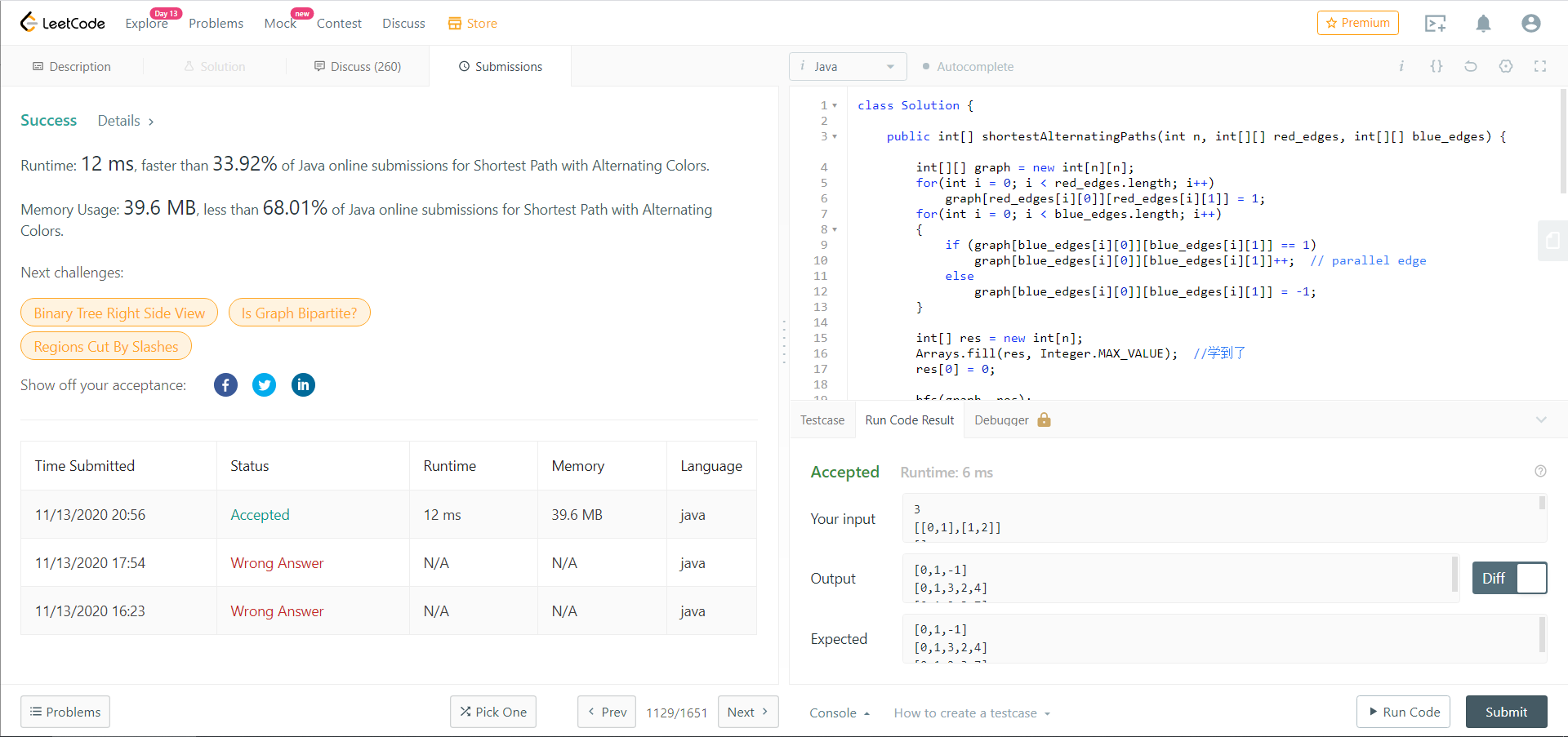
// k = 3

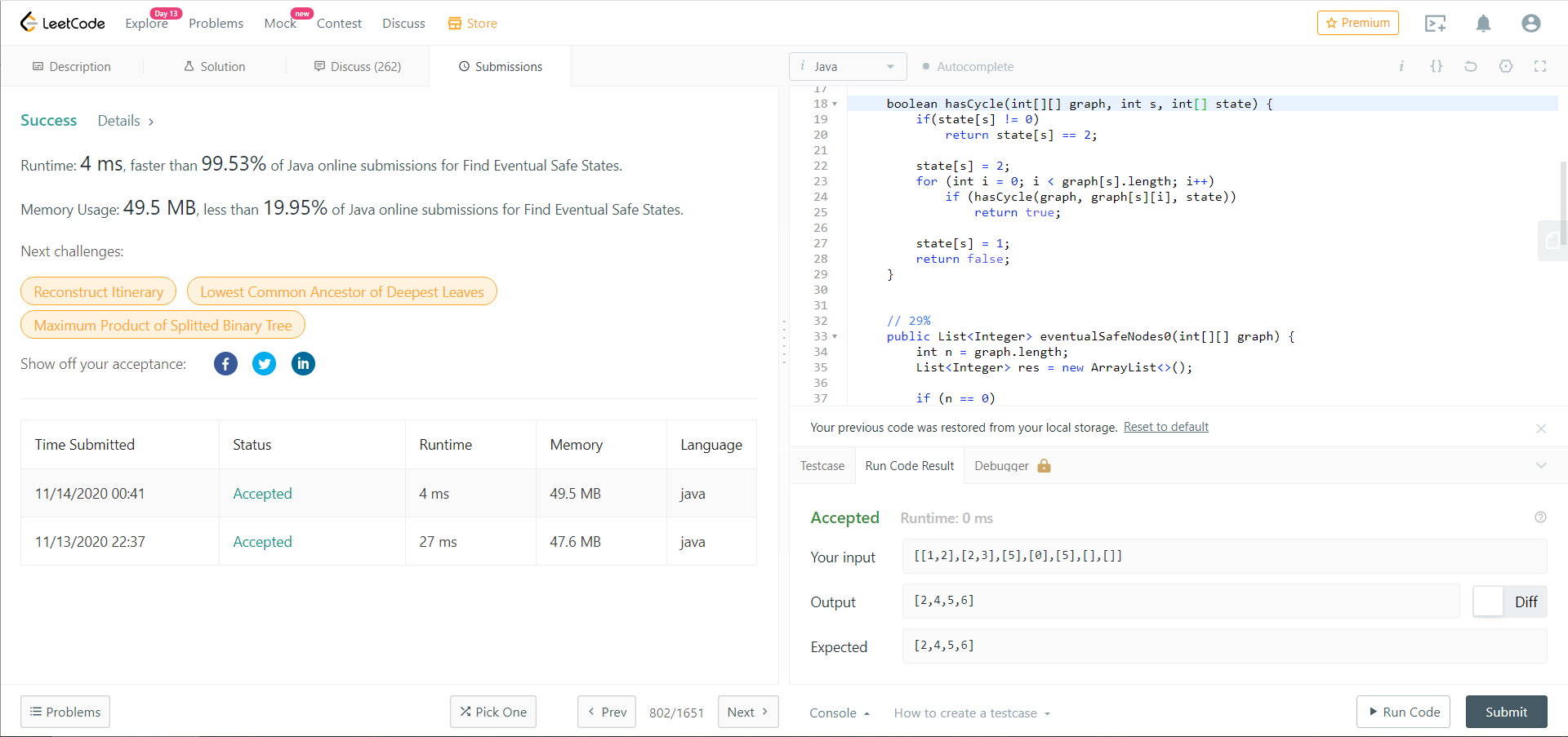
// k = 4



// k = 5



Leetcode 1129

LeetCode 802