**CSES Problem Set Range Queries**

**Question Analysis**

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| **Si. No.** | **Problem Title** | **Main Task** | **Do we Update?** | **Do we search?** | **Do we delete?** | **Comments** |
|  | Static Range Sum Queries | Sum in the given range | No | No | No |  |
|  | Static Range Minimum Queries | Minimum value in the range | No | YES | NO |  |
|  | Dynamic Range Sum Queries | Sum of values | Yes | NO | NO |  |
|  | Dynamic Range Minimum Queries | Minimum value in range | yes | yes | no |  |
|  | Range Xor Queries | XOR sum of values in range | no | No | no |  |
|  | Range Update Queries | Update values by u in range [a,b] | yes | no | no |  |
|  | Forest Queries | Count the number of trees inside the rectangle | no | yes | no |  |
|  | Hotel Queries | Assign hotel to a group | no | yes | no |  |
|  | List Removals | Remove elements from the list | no | no | yes |  |
|  | Salary Queries | Update the salary and count the no. of employees in the given range | yes | no | no |  |
|  | Prefix Sum Queries | Update the value and minimum prefix sum in given range | yes | no | no |  |
|  | Pizzeria Queries | Update the price and find minimum price | yes | no | no |  |
|  | Subarray Sum Queries | Update the value and find the maximum subarray sum | yes | no | no |  |
|  | Distinct Values Queries | Find the distinct values in the range | no | Yes | no |  |
|  | Increasing Array Queries | Increasing array in given range by increase it’s value by one and print the minimum number of operation | yes | no | no |  |
|  | Forest Queries II | Change the state of the square and count the number of trees inside the rectangle | yes | yes | no |  |
|  | Range Updates and Sums | Increase the value by ‘x’ ,set each value as ‘x’ and calculate the sum in given range | yes | no | no |  |
|  | Polynomial Queries | Increase the value in range and calculate it’s sum | yes | no | no |  |
|  | Range Queries and Copies | Update the value of k by ‘x’ and find the sum in range and add the new array at the end | yes | no | no |  |