

REWE digital -  
Java, Kotlin or  
Scala, we don't  
like Coding  
Drama. From  
Germany to  
Bulgaria, we're  
some kind of  
retail Santa.  
Give yourself a  
gift: put us on  
your list!

In the above example, an illegal `)` was found twice ( $2 \times 3 = 6$  points), an illegal `]` was found once (57 points), an illegal `}` was found once (1197 points), and an illegal `>` was found once (25137 points). So, the total syntax error score for this file is  $6 + 57 + 1197 + 25137 = 26397$  points!

Find the first illegal character in each corrupted line of the navigation subsystem. What is the total syntax error score for those errors?

Your puzzle answer was `436497`.

--- Part Two ---

Now, discard the corrupted lines. The remaining lines are incomplete.

Incomplete lines don't have any incorrect characters - instead, they're missing some closing characters at the end of the line. To repair the navigation subsystem, you just need to figure out the sequence of closing characters that complete all open chunks in the line.

You can only use closing characters `)`, `]`, `}`, or `>`, and you must add them in the correct order so that only legal pairs are formed and all chunks end up closed.

In the example above, there are five incomplete lines:

- `[{({(<())[]>[[[]]{(<)<>>}` - Complete by adding `}}]})}]`.
- `[({)[<>]]({{<{<<[]>>[` - Complete by adding `]}>]})`.
- `((((({<>}<{<{<>}{[]{}{}` - Complete by adding `}}>}>)))]`.
- `{<[[]]>}<{[[[]{}{()[]{}]` - Complete by adding `]]}}]{}]}>`.
- `<{([{}])<[[[<>{}]]]>[]]` - Complete by adding `]})>`.

Did you know that autocomplete tools also have contests? It's true! The score is determined by considering the completion string character-by-character. Start with a total score of `0`. Then, for each character, multiply the total score by 5 and then increase the total score by the point value given for the character in the following table:

- `)`: 1 point.
- `]`: 2 points.
- `}`: 3 points.
- `>`: 4 points.

So, the last completion string above - `]})>` - would be scored as follows:

- Start with a total score of `0`.
- Multiply the total score by 5 to get `0`, then add the value of `]` (2) to get a new total score of `2`.
- Multiply the total score by 5 to get `10`, then add the value of `)` (1) to get a new total score of `11`.
- Multiply the total score by 5 to get `55`, then add the value of `}` (3) to get a new total score of `58`.
- Multiply the total score by 5 to get `290`, then add the value of `>` (4) to get a new total score of `294`.

The five lines' completion strings have total scores as follows:

- `}}]})}]` - `288957` total points.
- `]}>]})` - `5566` total points.
- `}}>}>)))]` - `1480781` total points.
- `]}}]{}]}>` - `995444` total points.
- `]})>` - `294` total points.

Autocomplete tools are an odd bunch: the winner is found by sorting all of the scores and then taking the middle score. (There will always be an odd number of scores to consider.) In this example, the middle score is `288957` because there are the same number of scores smaller and larger than it.

Find the completion string for each incomplete line, score the completion strings, and sort the scores. What is the middle score?

Your puzzle answer was `2377613374`.

Both parts of this puzzle are complete! They provide two gold stars: \*\*

At this point, you should [return to your Advent calendar](#) and try another puzzle.

If you still want to see it, you can [get your puzzle input](#).

You can also [\[Share\]](#) this puzzle.