Advent of Code 2023

Day 1

```
In[●]:= SetDirectory[NotebookDirectory[]]

Out[●]= /home/rlupi/src/aoc2023
```

```
In[●]:= input = Import["d1-p1-input.txt", "Lines"];
```

```
In[●]:= Length[input]

Out[●]= 1000
```

Part 1

```
In[●]:= part1 = ToString[#] → # & /@ Range[10]

Out[●]= {1 → 1, 2 → 2, 3 → 3, 4 → 4, 5 → 5, 6 → 6, 7 → 7, 8 → 8, 9 → 9, 10 → 10}
```

```
In[●]:= CalibrationValue[input_, rules_] :=
         Total[First[#] * 10 + Last[#] & /@ StringCases[input, rules, Overlaps → True]]
```

```
In[●]:= test1 = StringSplit["1abc2
    pqr3stu8vwx
    a1b2c3d4e5f
    treb7uchet", EndOfLine]

Out[●]= {1abc2,
    pqr3stu8vwx,
    a1b2c3d4e5f,
    treb7uchet}
```

```
In[●]:= CalibrationValue[test1, part1]

Out[●]= 142
```

Part 2

```
In[◦]:= part2 = Union@Join[
        {"one" → 1, "two" → 2, "three" → 3, "four" → 4,
         "five" → 5, "six" → 6, "seven" → 7, "eight" → 8, "nine" → 9}, part1]
```

```
Out[◦]= {1 → 1, 10 → 10, 2 → 2, 3 → 3, 4 → 4, 5 → 5, 6 → 6, 7 → 7, 8 → 8, 9 → 9, eight → 8,
         five → 5, four → 4, nine → 9, one → 1, seven → 7, six → 6, three → 3, two → 2}
```

```
In[◦]:= test2 = StringSplit["two1nine
      eightwothree
      abcone2threexyz
      xtwone3four
      4nineeightseven2
      zoneight234
      7pqrstsixteen", EndOfLine]
```

```
Out[◦]= {two1nine,
      eightwothree,
      abcone2threexyz,
      xtwone3four,
      4nineeightseven2,
      zoneight234,
      7pqrstsixteen}
```

```
In[◦]:= CalibrationValue[test2, part2]
```

```
Out[◦]= 281
```