

i18n

Given a pattern string and an input string, determine if the input string matches,

Pattern	Input	Matches
i18n	internationalization	Y
I18n	"	N
F7	Facebook	Y
F2e3k	Face book	Y
<empty>	<empty>	Y
<empty>	a	N
a	<empty>	N

```
c
bool Numeronym(char* pattern,
               size_t m,
               char* input,
               size_t n) {
    if (pattern == NULL || input == NULL) {
        return false;
    }
    if (n < m) {
        return false;
    }
    size_t i = 0; // pattern
    size_t j = 0; // input
    while (i < m && j < n) {
        if (pattern[i] == input[j] && IsAlpha(pattern[i])) {
            i++;
            j++;
        } else if (IsNumeral(pattern[i])) {
            size_t number;
            if (!ParseUInt(pattern, &i, m, &number)) {
                return false;
            }
            if (!ScrollForward(input, &j, n, number)) {
                return false;
            }
            i++;
            j++;
        } else {
            return false;
        }
    }
    return (j == m) && (i == n);
}
```