

解答：

|  |  |  |  |
| --- | --- | --- | --- |
| Operator | Number of Occurrences | Operand | Number of Occurrences |
| if | 1 | month | 3 |
| < | 1 | year | 5 |
| += | 1 | day | 1 |
| - | 1 | 3 | 1 |
| return | 1 | 12 | 1 |
| + | 6 | 1 | 1 |
| \* | 2 | 26 | 1 |
| / | 4 | 10 | 1 |
| % | 1 | 4 | 1 |
| dayray | 1 | 6 | 1 |
| int | 1 | 100 | 1 |
|  |  | 400 | 1 |
|  |  | 7 | 1 |
| n1 = 11 | N1 = 20 | n2 = 13 | N2 = 19 |

1.程序词汇表长度 Program vocabulary：n = n1 + n2 = 24

2.程序长度或简单长度 Program length：N = N1 + N2 = 39

3.程序的预测长度 Calculated program length：N^= = 86.16

4.程序体积或容量 Volume：V = = = 178.8

5.程序级别 Level：L^ = (2 / n1) \* (n2 / N2) = 2/11 \* 13/19 = = 0.124

6.程序难度 Difficulty：D = 1 / (L^) = = 8.04

7.编程工作量 Effort：E = V \* D = = 1437.39

8.语言级别：L’ = L^ \* L^ \* V = = 2.78

9.编程时间 (hours)：T^ = E / (S \* f) = = 0.022

10.平均语句大小：N/语句数 = = 9.75

11.程序中的错误数预测值：B = V/3000 = = 0.06