

课时 09 简单算法及其程序实现

选做

6 ① $0 < x < 30$ ② $y = \text{math.sin}(x)$ ③

7(1)A(2) ① $\text{le}/4$ ② $(\text{le} + d^{**}0.5)/4$

8 (1)9 (2) $\text{sum} = \text{down}$ ① ② ③

9 (1) ① return True ② $n = n + \text{dic}[\text{ch}]$ ③ $\text{flag} = \text{isprime}(s)$ (2) 这是一个素单词 (3)B

必做

10(1)B (2) $\text{int}(x[6:])$ 或 $\text{int}(x[-2:])$ (3) $\text{tmp} = \text{tosec}(t[i+1]) - \text{tosec}(t[i]) + 1$ (4) $c[i] == \text{cmax}$

11(1)8 (2) ① $\text{ord}(i) - 97$ ② $\text{width}[\text{index}]s = \text{input}("s:")$

12(1)1 (2) ① $m = \text{light}[i-1] + \text{light}[i-2]$ ② $\text{count}/n > 0.5$ 或 $\text{count} > n//2$ 或 $\text{count} > n/2$

③ $\text{light}[j] = 1 - \text{light}[j]$ 或 $\text{light}[j] = \text{abs}(\text{light}[j] - 1)$

13(1) ① $s = s + i$ ② $k + 1$ ③ $\text{data}[p:n-(k-p)]$ (2)B

14(1)相同 (2) ① $s += i$ ② $i += 1$ ③ $c1 == "?"$ or $c2 == "?"$

15(1)A (2) $m = n^{**}2$ 或 $m = n * n$ ② $i^{**} = 10$ ③ $a[i] + a[i+1] == n$

16(1) ① $d[i] * d_num[i]$ ② $\text{money} < \text{sum}$ ③ $n = \text{int}(\text{sum}/d[i])$ (2) $\text{range}(\text{len}(d) - 1, -1, -1)$ (3)8

自行完成

1. C 2. $m//3$ 3. B 4.(1)枚举算法 (2) $i \% 623 == 0$ 5. D

真题

17(1)B (2) text (3) $\text{line}[i:i + \text{len}(\text{key})] == \text{key}$ (4) break

18(1)2 (2) ① $\text{elif } t == 'B'$ ② $\text{cnt1} -= w$ ③ $i += 1$

19(1)D (2) ① $d[0] == d[1]$ ② $\text{range}(2)$ 或 $\text{range}(\text{len}(d))$ ③ $t[i] > \text{tlimit}$