**Задания 10. Циклический алгоритм обработки массива чисел, записанный на алгоритмическом языке**

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| --- | --- | --- |
| 1.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1)= 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 0  **FOR** k = 1 **TO** 10  **IF** Dat(k)=15 **THEN**  m = m+1  **ENDIF**  **NEXT** k  **PRINT** m | 2.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k) > m **THEN**  m = Dat(k)  **ENDIF**  **NEXT** k  **PRINT** m | 3.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 20  **FOR** k := 1 **TO** 10  **IF** Dat(k) < m **THEN**  m = Dat[k]  **ENDIF**  **NEXT** k  **PRINT** m |
| 4.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k) > 12 **THEN**  m = m + 1  **ENDIF**  **NEXT** k  **PRINT** m | 5.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 2: Dat(2) = 5  Dat(3) = 8: Dat(4) = 5  Dat(5) = 4: Dat(6) = 2  Dat(7) = 0: Dat(8) = 3  Dat(9) = 4: Dat(10) =5  m = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k)>m **THEN**  m = Dat[k]  **ENDIF**  **NEXT** k  **PRINT** m | 6.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 2: Dat(2) = 5  Dat(3) = 7: Dat(4) = 5  Dat(5) = 4: Dat(6) = 2  Dat(7) = 0: Dat(8) = 3  Dat(9) = 4: Dat(10) = 5  m = 10  **FOR** k := 1 **TO** 10  **IF** Dat(k) < m **THEN**  m = Dat[k]  **ENDIF**  **NEXT** k  **PRINT** m |

**Задания 10. Циклический алгоритм обработки массива чисел, записанный на алгоритмическом языке**

|  |  |  |
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| 15.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m,n **AS** **INTEGER**  Dat[1] = 7 Dat[2] = 9  Dat[3] = 10 Dat[4] = 5  Dat[5] = 6 Dat[6] = 7  Dat[7] = 9 Dat[8] = 8  Dat[9] = 6 Dat[10] = 9  m = 10; n = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k) < m **THEN**  m =Dat[k]  n = k  **ENDIF**  **NEXT** k  **PRINT** n | 25.  **DIM** Dat(10) **AS** **INTEGER**  Dat[1] = 6 Dat[2] = 2  Dat[3] = 5 Dat[4] = 3  Dat[5] = 4 Dat[6] = 4  Dat[7] = 3 Dat[8] = 5  Dat[9] = 2 Dat[10] = 6  day = 1: m = Dat(1)  **FOR** k = 2 **TO** 10  **IF** Dat(k) < m **THEN**  m = Dat(k)  day = k  **END** **IF**  **NEXT** k  **PRINT** day  **END** | 30.  **DIM** Tur(11) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Tur(1)= 1: Tur(2)= 11  Tur(3)= 8: Tur(4) = 12  Tur(5)= 5: Tur(6)= 6  Tur(7)= 15: Tur(8)= 16  Tur(9)= 16: Tur(10)= 21  Tur(11)= 7  m = 0  **FOR** k = 1 **TO** 11  **IF** Tur(k) < 10 **THEN**  m : = m+Tur(k)  **END** **IF**  **NEXT** k  **PRINT** m |
| 34.  DIS Ves(14) **AS** **INTEGER**  DIS i,n **AS** **INTEGER**  Ves(1)= 25: Ves(2)= 21  Ves(3)= 23: Ves(4)= 28  Ves(5)= 30: Ves(6)= 25  Ves(7)= 31: Ves(8)= 28  Ves(9)= 25: Ves(10)= 28  Ves(11)= 30: Ves(12)= 27  Ves(13)= 26: Ves(14)= 24  n = Ves(1)  **FOR** i = 1 **TO** 14  **IF** Ves(i) < n **THEN**  n : = Ves(i)  **END** **IF**  **NEXT** i  **PRINT** n | 40.  **DIM** App(12) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  App(1) = 100: App(2)= 128  App(3) = 80: App(4) = 99  App(5) = 120: App(6)= 69  App(7) = 55: App(8)= 115  App(9) = 84: App(10)= 111  App(11)= 59: App(12)= 100  m = 0  **FOR** k = 1 **TO** 12  **IF** App(k) < 80 **THEN**  m = m + 1  **END** **IF**  **NEXT** k  m = m + 20  **PRINT** m | 44.  **DIM** App(12) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  App(1) = 100: App(2)= 128  App(3) = 80: App(4) = 99  App(5) = 120: App(6)= 69  App(7) = 55: App(8)= 115  App(9) = 84: App(10)= 111  App(11)= 59: App(12)= 100  m = 0  **FOR** k = 1 **TO** 12  **IF** App(k) < 80 **THEN**  m = m + 1  **END** **IF**  **NEXT** k  m = m + 20  **PRINT** m |

**Задания 10. Циклический алгоритм обработки массива чисел, записанный на алгоритмическом языке**

|  |  |  |
| --- | --- | --- |
| 1.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1)= 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 0  **FOR** k = 1 **TO** 10  **IF** Dat(k)=15 **THEN**  m = m+1  **ENDIF**  **NEXT** k  **PRINT** m | 2.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k) > m **THEN**  m = Dat(k)  **ENDIF**  **NEXT** k  **PRINT** m | 3.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 20  **FOR** k := 1 **TO** 10  **IF** Dat(k) < m **THEN**  m = Dat[k]  **ENDIF**  **NEXT** k  **PRINT** m |
| 4.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 12: Dat(2) = 15  Dat(3) = 17: Dat(4) = 15  Dat(5) = 14: Dat(6) = 12  Dat(7) = 10: Dat(8) = 13  Dat(9) = 14: Dat(10) =15  m = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k) > 12 **THEN**  m = m + 1  **ENDIF**  **NEXT** k  **PRINT** m | 5.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 2: Dat(2) = 5  Dat(3) = 8: Dat(4) = 5  Dat(5) = 4: Dat(6) = 2  Dat(7) = 0: Dat(8) = 3  Dat(9) = 4: Dat(10) =5  m = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k)>m **THEN**  m = Dat[k]  **ENDIF**  **NEXT** k  **PRINT** m | 6.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Dat(1) = 2: Dat(2) = 5  Dat(3) = 7: Dat(4) = 5  Dat(5) = 4: Dat(6) = 2  Dat(7) = 0: Dat(8) = 3  Dat(9) = 4: Dat(10) = 5  m = 10  **FOR** k := 1 **TO** 10  **IF** Dat(k) < m **THEN**  m = Dat[k]  **ENDIF**  **NEXT** k  **PRINT** m |
| 15.  **DIM** Dat(10) **AS** **INTEGER**  **DIM** k,m,n **AS** **INTEGER**  Dat[1] = 7 Dat[2] = 9  Dat[3] = 10 Dat[4] = 5  Dat[5] = 6 Dat[6] = 7  Dat[7] = 9 Dat[8] = 8  Dat[9] = 6 Dat[10] = 9  m = 10; n = 0  **FOR** k := 1 **TO** 10  **IF** Dat(k) < m **THEN**  m =Dat[k]  n = k  **ENDIF**  **NEXT** k  **PRINT** n | 25.  **DIM** Dat(10) **AS** **INTEGER**  Dat[1] = 6 Dat[2] = 2  Dat[3] = 5 Dat[4] = 3  Dat[5] = 4 Dat[6] = 4  Dat[7] = 3 Dat[8] = 5  Dat[9] = 2 Dat[10] = 6  day = 1: m = Dat(1)  **FOR** k = 2 **TO** 10  **IF** Dat(k) < m **THEN**  m = Dat(k)  day = k  **END** **IF**  **NEXT** k  **PRINT** day  **END** | 30.  **DIM** Tur(11) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  Tur(1)= 1: Tur(2)= 11  Tur(3)= 8: Tur(4) = 12  Tur(5)= 5: Tur(6)= 6  Tur(7)= 15: Tur(8)= 16  Tur(9)= 16: Tur(10)= 21  Tur(11)= 7  m = 0  **FOR** k = 1 **TO** 11  **IF** Tur(k) < 10 **THEN**  m : = m+Tur(k)  **END** **IF**  **NEXT** k  **PRINT** m |
| 34.  DIS Ves(14) **AS** **INTEGER**  DIS i,n **AS** **INTEGER**  Ves(1)= 25: Ves(2)= 21  Ves(3)= 23: Ves(4)= 28  Ves(5)= 30: Ves(6)= 25  Ves(7)= 31: Ves(8)= 28  Ves(9)= 25: Ves(10)= 28  Ves(11)= 30: Ves(12)= 27  Ves(13)= 26: Ves(14)= 24  n = Ves(1)  **FOR** i = 1 **TO** 14  **IF** Ves(i) < n **THEN**  n : = Ves(i)  **END** **IF**  **NEXT** i  **PRINT** n | 40.  **DIM** App(12) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  App(1) = 100: App(2)= 128  App(3) = 80: App(4) = 99  App(5) = 120: App(6)= 69  App(7) = 55: App(8)= 115  App(9) = 84: App(10)= 111  App(11)= 59: App(12)= 100  m = 0  **FOR** k = 1 **TO** 12  **IF** App(k) < 80 **THEN**  m = m + 1  **END** **IF**  **NEXT** k  m = m + 20  **PRINT** m | 44.  **DIM** App(12) **AS** **INTEGER**  **DIM** k,m **AS** **INTEGER**  App(1) = 100: App(2)= 128  App(3) = 80: App(4) = 99  App(5) = 120: App(6)= 69  App(7) = 55: App(8)= 115  App(9) = 84: App(10)= 111  App(11)= 59: App(12)= 100  m = 0  **FOR** k = 1 **TO** 12  **IF** App(k) < 80 **THEN**  m = m + 1  **END** **IF**  **NEXT** k  m = m + 20  **PRINT** m |

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