

Test - Nal. 2

```
PROCEDURE ArSredina*(VAR t:ARRAY OF ARRAY OF REAL):REAL;

VAR  d1, d2: INTEGER; (*Dolzina prve in druge dimenzije*)
     n: INTEGER; (*Števec elementov *)
     i,j:INTEGER; (*Števciza pomik po tabeli*)
     vsota, sredina: REAL;

BEGIN
  d1:=LEN(t,0)-1;
  d2:=LEN(t,1)-1;
  n:=0; vsota:=0;

  FOR i:=0 TO d1 DO
    FOR j:=0 TO d2 DO
      vsota:=vsota+ t[i,j];
      n:=n+1;
    END;
    j:=0;
  END;

  sredina:=vsota/n;
  RETURN sredina;

END ArSredina;
```

Test1 - Nal. 2

```
PROCEDURE MaxDeterminanta(VAR Mat;ARRAY OF ARRAY OF REAL);

IMPORT Out;

VAR  d1, d2: INTEGER;
     i,j:INTEGER;
     Det, TempDet: REAL;

BEGIN
  d1:=LEN(Mat,0)-2;
  d2:=LEN(Mat,1)-2;
  DetTemp:=0;

  FOR i:=0 TO d1 DO
    FOR j:=0 TO d2 DO
      Det:=(Mat[i,j+1]*Mat[i+1, j])-(Mat[i+1, j+1]*Mat[i,j]);
      IF Det > DetTemp THEN DetTemp:=Det END;
    END;
  END;

  Out.Real(Det,4);

END MaxDeterminanta;
```

Test1 - Na1. 3a

```
TYPE Student = RECORD
    priimek, ime: ARRAY 20 OF CHAR;
    St0cen: INTEGER;
    Ocene: ARRAY 40 OF SHORTINT;
END;

PROCEDURE PovpOcena*(s:Student):REAL;

VAR  Vsota0cen: REAL;
     Povprecje:REAL;
     i,j:INTEGER;

BEGIN
    Vsota0cen:=0;
    FOR i:=0 TO 39 DO
        Vsota0cen:=Vsota0cen + s.Ocene[i]
    END;

    Povprecje:=Vsota0cen /s.St0cen;
    RETURN Povprecje;

END PovpOcena;
```

Test1 - Na1. 3b

```
TYPE Student = RECORD
    priimek, ime: ARRAY 20 OF CHAR;
    St0cen: INTEGER;
    Ocene: ARRAY 40 OF SHORTINT;
END;

TYPE Tabela:ARRAY 100 OF Student;
VAR t:Tabela;

PROCEDURE Sortiraj;

VAR  i,j,iMin:INTEGER;
     vMin: Student;

BEGIN
    FOR i:=0 TO 98 DO
        iMin:=i;vMin:=t[i];
        FOR j:=i+1 TO 99 DO
            IF t[j].PovpOcena < vMin.PovpOcena THEN
                iMin:=j;vMin:=t[j];
            END;
        END;
        t[iMin]:=t[i];t[i]:=vMin;
    END;

END Sortiraj;
```

Test1 - Nal. 4

```
TYPE Kazalec = POINTER TO ElementSeznama;  
ElementSeznama = RECORD  
    Podatek: INTEGER;  
    Vezava: Kazalec;  
END;
```

```
PROCEDURE IzSeznamaVMnožico(Zac:Kazalec):SET;
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VAR Unija:SET
```

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BEGIN
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    WHILE Zac # NIL DO
```

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        IF Zac.Podatek >= 0 THEN
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            INCL(Unija,Zac.Podatek);
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        END;
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        Zac:=Zac.Naslednji;
```

```
    END;
```

```
    RETURN Unija;
```

```
END IzSeznamaVMnozico;
```