

Задание 8 "Циклические программы"

Запишите число, которое будет напечатано в результате выполнения следующей программы. Для Вашего удобства программа представлена на пяти языках программирования.

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var s, n: integer;
begin
    s := 522;
    n := 400;
    while s - n > 0 do
    begin
        s := s - 20;
        n := n - 15
    end;
    writeln(s)
1 end.

var s, n: integer;
begin
    s := 522;
    n := 300;
    while s - n > 0 do
    begin
        s := s - 25;
        n := n - 10
    end;
    writeln(n)
2 end.

var s, n: integer;
begin
    s := 127;
    n := 250;
    while n - s > 0 do
    begin
        s := s + 20;
        n := n + 15
    end;
    writeln(s)
3 end.

var s, n: integer;
begin
    s := 127;
    n := 350;
    while n - s > 0 do
    begin
        s := s + 25;
        n := n + 10
    end;
    writeln(n)
4 end.

var s, n: integer;
begin
    s := 5;
    n := 0;
    while s < 85 do
    begin
        s := s + 5;
        n := n + 8
    end;
    writeln(n)
9 end.

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var s, n: integer;
begin
    s := 310;
    n := 0;
    while s > 0 do
    begin
        s := s - 20;
        n := n + 3
    end;
    writeln(n)
5 end.

var s, n: integer;
begin
    s := 330;
    n := 0;
    while s > 0 do
    begin
        s := s - 40;
        n := n + 4
    end;
    writeln(n)
6 end.

var s, n: integer;
begin
    s := 0;
    n := 0;
    while s <= 55 do
    begin
        s := s + 5;
        n := n + 2
    end;
    writeln(n)
7 end.

var s, n: integer;
begin
    s := 5;
    n := 0;
    while s <= 75 do
    begin
        s := s + 5;
        n := n + 2
    end;
    writeln(n)
8 end.

var s, n: integer;
begin
    s := 4;
    n := 0;
    while s < 80 do
    begin
        s := s + 5;
        n := n + 8
    end;
    writeln(n)
10 end.

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var s, n: integer;
begin
  s := 0;
  n := 0;
  while s < 85 do
  begin
    s := s + 4;
    n := n + 11
  end;
  writeln(n)
11 end.

var s, n: integer;
begin
  s := 1;
  n := 0;
  while s <= 45 do
  begin
    s := s + 4;
    n := n + 11
  end;
  writeln(n)
12 end.

var s, n: integer;
begin
  s := 1;
  n := 100;
  while s <= 45 do
  begin
    s := s + 4;
    n := n - 3
  end;
  writeln(n)
13 end.

var s, n: integer;
begin
  s := 1;
  n := 80;
  while s <= 75 do
  begin
    s := s + 4;
    n := n - 4
  end;
  writeln(n)
14 end.

var s, n: integer;
begin
  s := 1;
  n := 80;
  while s < 75 do
  begin
    s := s + 5;
    n := n - 4
  end;
  writeln(n)
15 end.

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var s, n: integer;
begin
  s := 0;
  n := 100;
  while s < 75 do
  begin
    s := s + 3;
    n := n - 4
  end;
  writeln(n)
16 end.

var s, n: integer;
begin
  s := 0;
  n := 0;
  while s <= 65 do
  begin
    s := s + 5;
    n := n + 3
  end;
  writeln(n)
17 end.

var s, n: integer;
begin
  s := 0;
  n := 0;
  while s < 65 do
  begin
    s := s + 6;
    n := n + 2
  end;
  writeln(n)
18 end.

var k, s : integer;
begin
  s := 0;
  k := 0;
  while s <= 2048 do
  begin
    s := s + 64;
    k := k + 1;
  end;
  write(k);
19 end.

var k, s: integer;
begin
  s := 0;
  k := 0;
  while k < 200 do
  begin
    s := s + 64;
    k := k + 16;
  end;
  write(s);
20 end.

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