Tugas Jaminan Perangkat Lunak

Latihan Basis Path



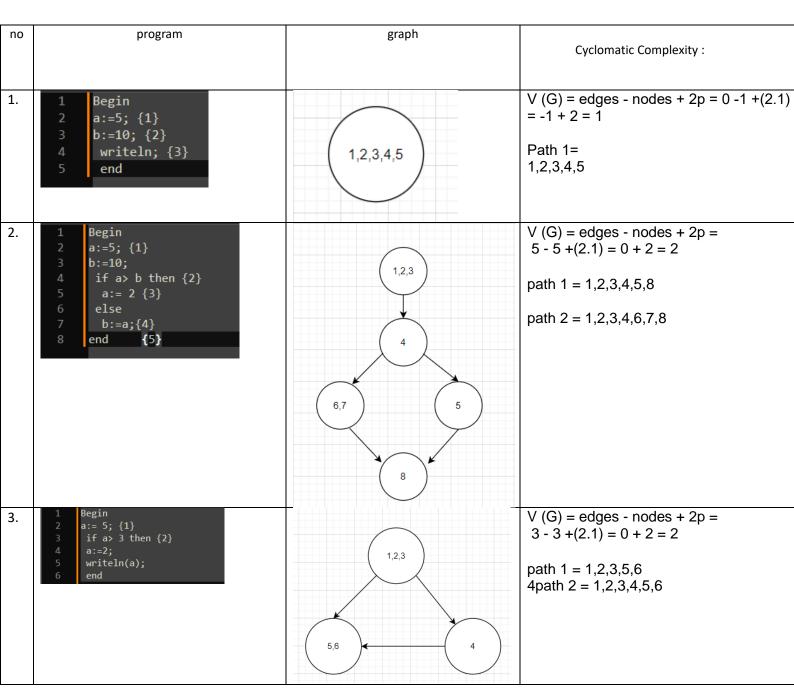
Disusun Oleh:

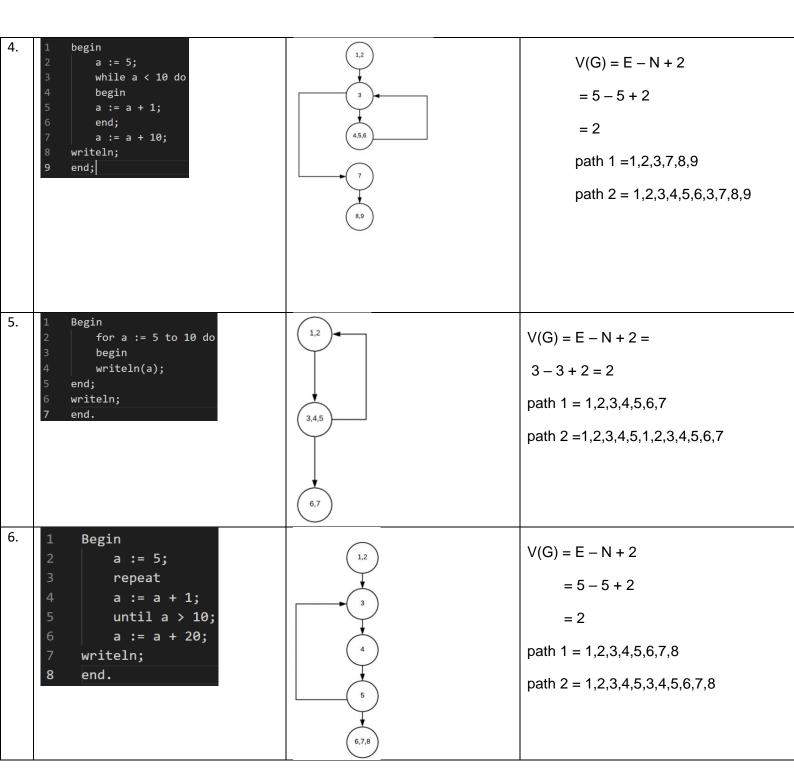
Hikari Aufa Yafi - A11.2021.13217

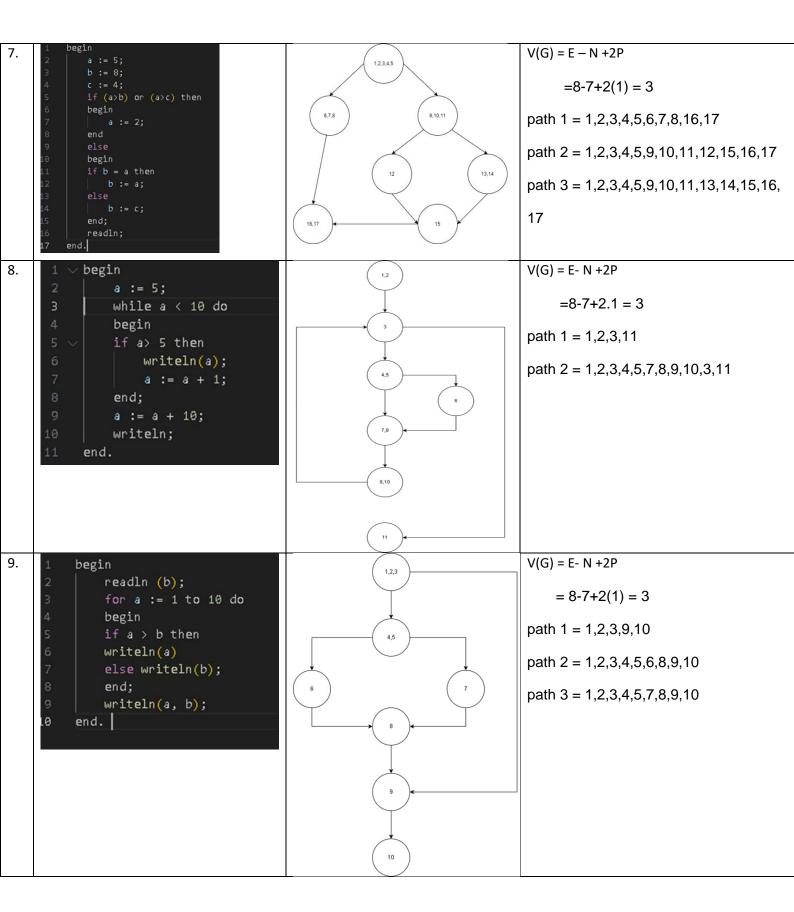
Yohanes Dimas Pratama - A11.2021.13254

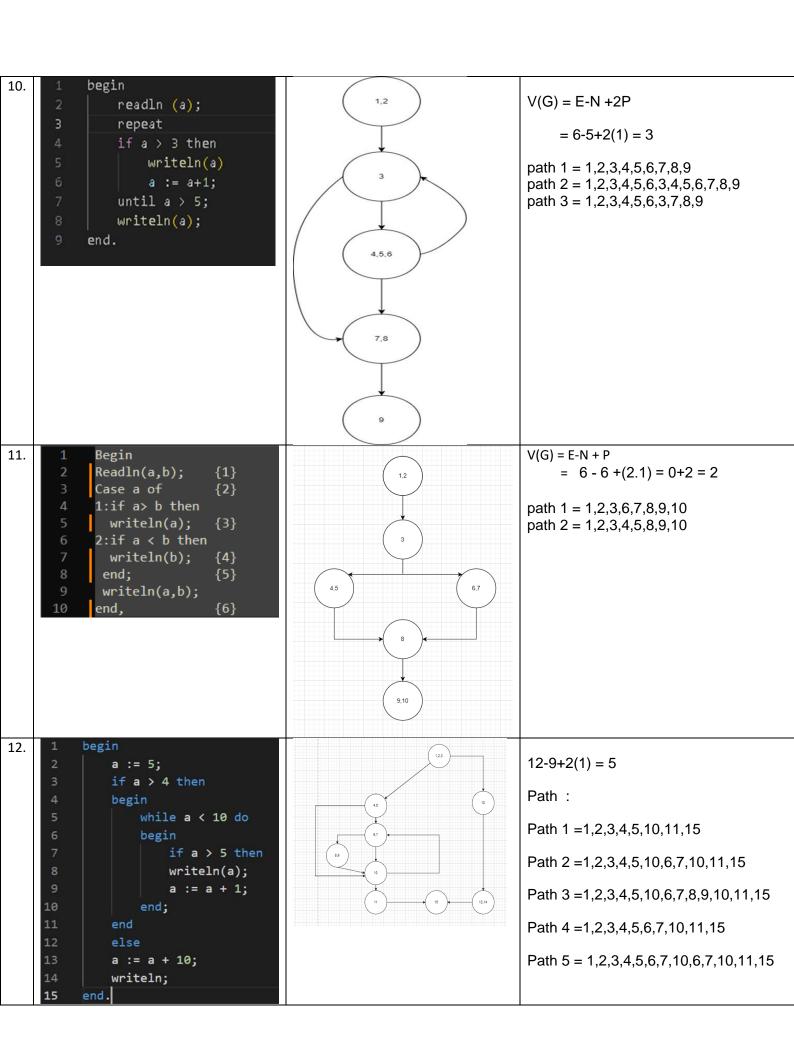
Mohammad Ridwan Pratama - A11.2021.13435

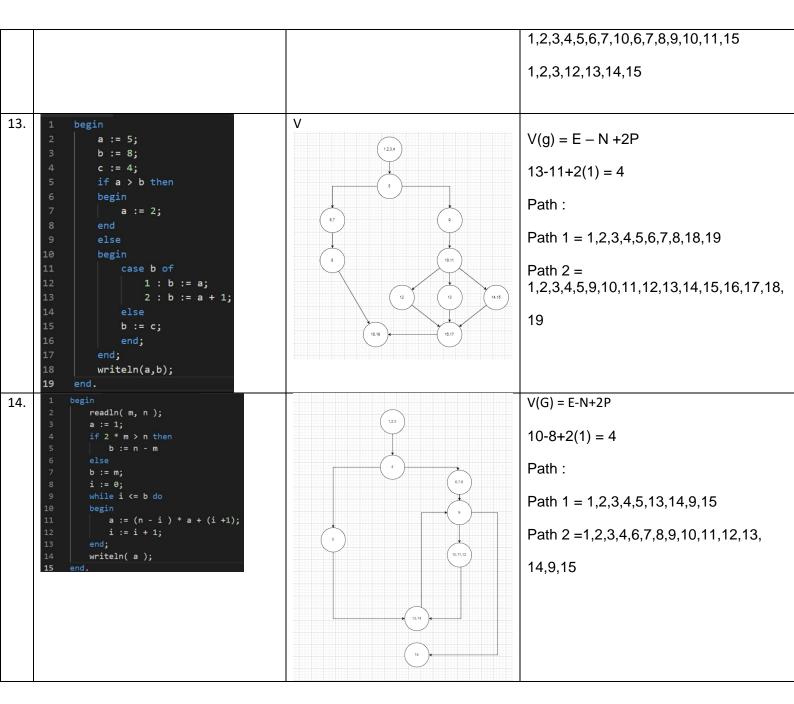
Muhammad Rahmanditya HW - A11.2021.13591

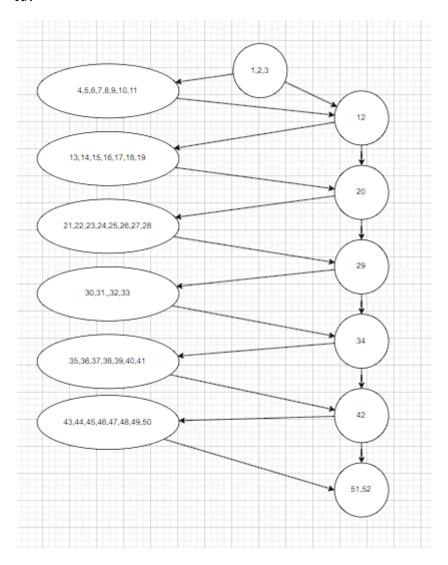












Cyclomatic Complexity:

10 edges, 13 nodes 10-8+2(1) = 4

Path:

1,2,3,4,5,13,14,9,15

1,2,3,4,6,7,8,9,10,11,12,13,14,9,15

```
begin
     readln( x, y, w, A, B );
     if x > 0 then
     begin
        theta := 0.0;
        phi := arctan(y/x)+theta;
        r := sqrt( x*x+y*y );
        r := exp( w * ln(r));
        a := r * cos( w * phi);
        b := r * sin( w * phi);
11
     end;
     if (x < 0) and (y >= 0) then
12
13
      begin
14
         theta := 3.1;
         phi := arctan(y/x)+theta;
15
16
         r := sqrt( x*x+y*y );
17
         r := exp(w * ln(r));
         a := r * cos( w * phi);
18
19
         b := r * sin( w * phi);
20
     end;
21
     if (x<0) and (y<0) then
     begin
22
23
        theta := 3.1;
        phi := arctan(y/x)+theta;
        r := sqrt(x*x+y*y);
25
        r := exp(w * ln(r));
27
        a := r * cos( w * phi);
        b := r * sin( w * phi);
28
     end;
```

```
21
     if (x<0) and (y<0) then
22
     begin
23
        theta := 3.1;
        phi := arctan(y/x)+theta;
24
        r := sqrt( x*x+y*y );
25
        r := exp(w * ln(r));
        a := r * cos( w * phi);
27
        b := r * sin( w * phi);
     end;
        if (x=0) and (y=0) then
30
31
        begin
32
            a := 0.0;
            b := 0.0;
         end;
         if (x = 0) and (y < 0) then
         begin
36
37
              phi := 1.5;
38
              r := sqrt(x*x+y*y);
              r := exp(w * ln(r));
40
              a := r * cos( w * phi);
              b := r * sin( w * phi);
42
          end;
          if (x = 0) and (y > 0) then
43
44
          begin
              phi := -1.5707963;
              r := sqrt( x*x+y*y );
46
              r := exp(w * ln(r));
48
              a := r * cos( w * phi);
49
              b := r * sin( w * phi);
```

```
50 end;
51 writeln(a,b)
52 end.
53
```