

View A

V1	V2
1 public static void main(String[] args){	1 public static void main(String[] args){
2	2
3	3
4 assertSame(new Complex(1, 1), tanh(real, img));	4 assertSame(new Complex(1, 1), tanh(real, img));
5 }	5 }
6 public Complex tanh(int real, int img){	6 public Complex tanh(int real, int img){
7	7
8	8
9 if (real <= 20){ [false] }	9 if (real >= 20){ [true] }
10 real2 = exp(real)/2;	10 real2 = exp(real)/2;
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18 img2 = Func1(img);	18 img2 = Func1(img);
19 }	19 }
20 if (img >= 1){ [true] }	20
21 real2 = real2 + img;	21
22 img2 = img2 + img;	22
23 }	23
24 return new Complex(real2,img2);	24 return new Complex(real2,img2);
25 }	25 }

View B

V1	V2
1 public static void main(String[] args){	1 public static void main(String[] args){
2	2
3	3
4 assertSame(new Complex(1, 1), tanh(real, img));	4 assertSame(new Complex(1, 1), tanh(real, img));
5 }	5 }
6 public Complex tanh(int real, int img){	6 public Complex tanh(int real, int img){
7	7
8	8
9 if (real <= 20){ [false] }	9 if (real >= 20){ [true] }
10 real2 = exp(real)/2;	10 real2 = exp(real)/2;
11 int k = (int)(img * 0.6366197725814);	11 int k = (int)(img * 0.6366197725814);
12 int a = -k * 1.570796251296997;	12 int a = -k * 1.570796251296997;
13 int remA = img + a;	13 int remA = img + a;
14 a = -k * 7.549789948768648E-8;	14 a = -k * 7.549789948768648E-8;
15 int b = remA;	15 int b = remA;
16 remA = a + b;	16 remA = a + b;
17 int remB = -(remA*2);	17 int remB = -(remA*2);
18 img2 = remB * 5;	18 img2 = remB * 5;
19 }	19 }
20 if (img >= 1){ [true] }	20
21 real2 = real2 + img;	21
22 img2 = img2 + img;	22
23 }	23
24 return new Complex(real2,img2);	24 return new Complex(real2,img2);
25 }	25 }

View C

V1	V2
1 public static void main(String[] args){	1 public static void main(String[] args){
2 int real = POS_INFINITY;	2 int real = POS_INFINITY;
3 int img = 1;	3 int img = 1;
4 assertSame(new Complex(1, 1), tanh(real, img));	4 assertSame(new Complex(1, 1), tanh(real, img));
5 }	5 }
6 public Complex tanh(int real, int img){	6 public Complex tanh(int real, int img){
7 int real2 = 0;	7 int real2 = 0;
8 int img2 = 0;	8 int img2 = 0;
9 if (real <= 20){ [false] }	9 if (real >= 20){ [true] }
10 real2 = exp(real)/2;	10 real2 = exp(real)/2;
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18 img2 = Func1(img);	18 img2 = Func1(img);
19 }	19 }
20 if (img >= 1){ [true] }	20
21 real2 = real2 + img;	21
22 img2 = img2 + img;	22
23 }	23
24 return new Complex(real2,img2);	24 return new Complex(real2,img2);
25 }	25 }

Notations: Lines that correspond to each other in V1 and V2 are given the same line numbers. Numbered empty lines indicate statements that are either excluded in a particular view or are absent in a code version. Specifically, if a line is annotated by "delete", the statement is deleted in a version. Otherwise, it is excluded from the view. Changes between versions ("Add", "Update", "Delete") are shown on arrows between code snippets. For simplicity, each "if" statement (e.g., in line 9) is annotated with a label showing whether the "if" condition is evaluated to *true* or *false*. Gray lines indicate statements that are not executed because they are encapsulated by an "if" statement that evaluates to *false*. Colored backgrounds highlight the differences between the views.