



Sec: B.N.: Name:

Consider the following programs/algorithms:

A

```

Count ← 1;
while (Count ≠ 10) do {
  print Count;
  Count ← Count + 2;
}

```

B

```

Count ← 0;
while (Count ≠ 10) do {
  print Count;
  Count ← Count + 2;
}

```

C

```

Count ← 10;
while (Count ≠ 0) do {
  Count ← Count - 2;
}
print 10 - Count;

```

D

```

Count ← 10;
repeat {
  print Count;
  Count ← Count - 2;
} until (Count > 0)

```

E

```

Count ← 0;
repeat {
  Count ← Count + 2;
  print Count;
} until (Count = 10)

```



Answer the following questions:

0. Sample:

A B C D E

1. Two algorithms have the same stop condition:

A B C D E

2. Two programs produce the same output:

A B C D E

3. A non terminating program:

A B C D E

4. Two programs do the same number of iterations:

A B C D E

or

A B C D E

or

A B C D E

5. A program do only one iteration:

A B C D E

	Stop Condition	Number of Iterations	Output
A	Count = 10	∞	1, 3, 5, 7, 9, 11...
B	Count = 10	5	0, 2, 4, 6, 8
C	Count = 0	5	10
D	Count > 0	1	10
E	Count = 10	5	2, 4, 6, 8, 10