

Answers :

34. A

35. E

36. C

37. E

38. C

39. E

40. D

a || b

#34

pos < arr.length

→ arr[pos] != val

if you check this first, uh-oh,
hosed

"short-circuit evaluation"

|| : if first is true, no
need to check 2nd

&& : if first is false,
no need to check second

#35

#36 public void changeIT(
int[] list, ← copy of a
int num) reference to
an array; possible to
change elements of list
list = new...
★ Old list ref is gone!
num = 0;

#37

#I re-declaring seq.
nothing happens.

#38 double consists of 64 bits -
so, even though the
math may work fine,
checking doubles with
"==" requires that
all 64 bits be the
same

instead, write

```
if (Math.abs((a+b)*(a-b) -  
(a*a - b*b)) < .001)  
print
```

#39

```
val 32  
dig "2"  
return "2" + "101"
```

```
val 10  
dig "1"  
return "1" + "01"
```

```
val 3  
dig "0"  
return "0" + "1"
```

```
val 1  
dig "1"  
return "1"
```

#40

"todayodayay"

```
str "today"  
index 1  
return "today" + "odayay"
```

```
str "oday"  
index 2  
return "oday" + "ay"
```

```
str "ay"  
index 3  
return "ay"
```