

Write a Java program for a simple version of **Alphabet Lotto** game.

Two people play this game with:

- alphabet-cards
- bags including letters

Each card consists of 8 English letters. The first 4 ones are ranged from A to N, while the others are ranged from O to Z. At the beginning of the game, each card (**stack**) should be randomly filled with distinct values. So, the letters in one stack should be different from each other.

Example:

Alphabet Lotto							
player 1	G	A	K	E	U	Y	S
player 2	D	B	N	A	R	T	P

There is a **bag1** (**stack**) that initially includes all English letters. The program selects a letter from this bag randomly and removes it from the bag1. Each player deletes that letter from his/her stack. Selected letters are added to another bag (**stack**), named **bag2**, so the next letter is selected from the remaining letters.

Example:

bag1	A	B	D	F	G	H	L	N	O	P	R	S	T	U	W	X	Y
bag2	C	E	I	J	K	M	Q	V	Z								

When a person deletes the first or last 4 letters, he/she gets the award \$10. (“birinci çinko”)

When a person deletes all letters from the stack, he/she wins the game lotto and gets \$30.

If both players delete their last letter at the same time, they game is over without any winner (tie) and they share the money.

In your program, you can use stacks as you want, but you must use only stacks, don't use other data structures.

**Don't use normal array.**

**Don't use a string variable.**

The program must display all steps until the game is over.

At the end of the game, the winner should be displayed, if exists.

The money that each player gets should also be printed.

**Don't take any input from the user !!!**

**Sample output:**

Player1: G A K E U Y S Z	Bag1 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Player2: D B N A R T W P	Bag2
selected number: Y	
Player1: G A K E U S Z	Bag1 A B C D E F G H I J K L M N O P Q R S T U V W X Z
Player2: D B N A R T W P	Bag2 Y
selected number: K	
Player1: G A E U S Z	Bag1 A B C D E F G H I J L M N O P Q R S T U V W X Z
Player2: D B N A R T W P	Bag2 Y K
selected number: A	
Player1: G E U S Z	Bag1 B C D E F G H I J L M N O P Q R S T U V W X Z
Player2: D B N R T W P	Bag2 Y K A
selected number: J	
Player1: G E U S Z	Bag1 B C D E F G H I L M N O P Q R S T U V W X Z
Player2: D B N R T W P	Bag2 Y K A J
selected number: E	
Player1: G U S Z	Bag1 B C D F G H I L M N O P Q R S T U V W X Z
Player2: D B N R T W P	Bag2 Y K A J E
selected number: W	
Player1: G U S Z	Bag1 B C D F G H I L M N O P Q R S T U V X Z

Player2: D B N R T P

Bag2 Y K A J E W

selected number: G

Player1: U S Z

Bag1 B C D F H I L M N O P Q R S T U V X Z

Player2: D B N R T P

Bag2 Y K A J E W G

Player1 gets \$10 (Birinci Çinko)

selected number: S

Player1: U Z

Bag1 B C D F H I L M N O P Q R T U V X Z

Player2: D B N R T P

Bag2 Y K A J E W G S

selected number: U

Player1: Z

Bag1 B C D F H I L M N O P Q R T V X Z

Player2: D B N R T P

Bag2 Y K A J E W G S U

selected number: Z

Player1:

Bag1 B C D F H I L M N O P Q R T V X

Player2: D B N R T P

Bag2 Y K A J E W G S U Z

Player1 is the winner

Player1 gets \$40

Player2 gets \$0