

Create transition diagrams showing the lexical analysis of a series of characters (left) to the appropriate tokens (right).

1. Java addition operators

Chars	Token
+	PLUS
+=	INC
++	INC

2. Java comparison and shifting operators:

Chars	Token
<	LT
<=	LTE
>	GT
>=	GTE
<<	RS
>>	LS
>>>	ULS

3. Combine your transition diagrams from Question 1 and 2. Then give the series of tokens resulting from the following character sequences. If the sequence cannot be lexed, give the valid tokens up to the point of the problem/error.

(a) +++=

(b) +=

(c) >>>>>

(d) +=>><<>=