Consider the grammar:

1. $E \rightarrow E + T \mid T$
2. $T \rightarrow T \ast F \mid F$
3. $F \rightarrow ( E ) \mid x$

What are the first 5 steps of a shift-reduce parser for $( x \ast x ) + x$?

*Note: We assume the parser wouldn’t take a step that would lead to an invalid string*

What are the set of items generated by production 1?