```
Intro:
val x: array[5] = [8,5,12,12,15]
                                      -> arrays
val i: [0..4] = 4
                                     -> range types
                          -> dynamic checks when needed
val elem: Int = X[i]
val l: Int = x. length
Lever!
                      , keywords: 'array', 'leigth'
    LO RBRACKET()
 LO LBRACKETO
Parser:
Rules:
Type ::= averay [Intlit] | [Intlit. . Intlit]
Expr: := ID. length | ID [ Expr.]
Literal := [Intlit ArrayElens]
SorayElens :: epsilon 1, Intlit ArrayElens
Name Analysis:
- odd a few new things
- no significant charge
Type checking:
typing rules:
                                     - Range and Int
   ais an arraylit of size M
                                       interchangable
      Tta: Avray (m)
 In: Tra: Dorag(n)
                              In: Tra: Duray (n) Tri: Int
    T'+ a length: Int
                                   Tra[i]: Int
-> no checks for the correct changes yet.
```

