**Assigment CFGs**

a = 5 a = “ali” (Syntax)

<assgn\_var> 🡪 <TS> ID  <option> <assign-op> <OE>

<TS> 🡪 TS | €

a = {1,2 , 3} (Syntax)

<assgn\_arr> 🡪 <TS> ID <option> = {<OE> <arr\_val> | € }

<arr\_val> , <OE> <arr\_val> | €

a = new Dog{} (Syntax

<Assgn\_obj> 🡪 <TS> ID <option> = new ID { <args\_list> | € }

<args\_list> 🡪 <OE> <list\_args> | ∈

<list\_args> 🡪 , <OE> <list\_args> | ∈

a = {name: “muzzamil”, age: 21} (Syntax)

<assgn\_dict> 🡪 <TS> ID <option> = { ID : <OE> <dict\_val> | € }

<dict\_val> , ID : <OE> <dict\_val> | €

(Syntax)

<assgn\_enum> 🡪