

```

tp1.lemos.CErrorException: Undeclared variable a at line 10
at tp1.lemos.Visitor.checkVarName(Visitor.java:110)
at tp1.lemos.Visitor.enterTo_value(Visitor.java:84)
at tp1.lemos.CParser$To_valueContext.enterRule(CParser.java:1315)
at org.antlr.v4.runtime.tree.ParseTreeWalker.enterRule(ParseTreeWalker.java:66)
at org.antlr.v4.runtime.tree.ParseTreeWalker.walk(ParseTreeWalker.java:49)
at org.antlr.v4.runtime.tree.ParseTreeWalker.walk(ParseTreeWalker.java:52)
at org.antlr.v4.runtime.tree.ParseTreeWalker.walk(ParseTreeWalker.java:52)
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at tp1.lemos.TP1_Lemos.main(TP1_Lemos.java:50)

```

```
int _x = 0;
```

```
double exec (double);
```

```
int main (void) {
```

```
    double y = 1, z = 3.5;
```

```
    for (_x = 5; _x <10; _x = _x + 1)
```

```
        y = exec(y) + exec(z);
```

```
    if (y <100) {
```

```
        y = y / 2;
```

```
        if (a == 0){}
```

```
    }
```

```
    else
```

```
        z = y + 5.5;
```

```
    return 0;
```

```
}
```

```
double exec (double asd){
```

```
    double exec (double valor) {
```

```
        int i = 10;
```

```
        while (i >= 5)
```

```
            valor -= _x - i;
```

```
        return valor;
```

```
    }
```

```
}
```

