



# Resolving Line Continuations in IBIS-ISS

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# Legal in All Versions

From the Synopsys HSPICE\* manual for 2010.12

```
*** string continuation ***
```

```
R6 4 0 R='res1-\\  
res2'
```

```
R5 4 0 R='res1-  \\  
res2'
```

```
*** token continuation ***
```

```
R4 node1 no\\  
de2 R= 'res1-res2'
```

 Actual text

# Illegal in Tested Versions

```
R4a node1 no\  
de2 R= 'res1-res2'
```

# Illegal in 2008.09-SP1, Legal in 2010.03-SP2

R6a 4 0 R='res1-\  
res2'

R5a 4 0 R='res1- \  
res2`

# Recommendation for IBIS-ISS

- Single-slash (\) continuations should not be supported
- Double-slash (\\) continuations should be supported, as explained in two contexts
  - Within a string (expression), with or without leading whitespace
  - Splitting an argument (“token”) without whitespace
- Rationale
  - This enables the broadest base of existing netlists
  - Tokens cannot be split while including leading whitespace without ambiguity