

XLST: Do they Match?

1) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">Markup Languages</module>
4   <profesor>Víctor</profesor>
5 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="/">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10        <xsl:value-of select="."/>
11      </body>
12    </html>
13  </xsl:template>
14
15
16
17 </xsl:stylesheet>
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body>
  Markup Languages
  Víctor
</body>
</html>
```

2) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">Markup Languages</module>
4   <profesor>Víctor</profesor>
5 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="//module">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10        <xsl:value-of select="."/>
11      </body>
12    </html>
13  </xsl:template>
14
15
16
17 </xsl:stylesheet>
18
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body>Markup Languages</body>
</html>
```

3) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">Markup Languages</module>
4   <profesor>Victor</profesor>
5 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="/">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10        <xsl:value-of select="/cycle/module"/>
11      </body>
12    </html>
13  </xsl:template>
14
15
16
17
18
19 </xsl:stylesheet>
20
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body>Markup Languages</body>
</html>
```

4) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">Markup Languages</module>
4   <profesor>Victor</profesor>
5 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="/">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10      </body>
11    </html>
12  </xsl:template>
13
14   <xsl:template match="module">
15     <xsl:value-of select="."/>
16   </xsl:template>
17   <xsl:template match="profesor">
18     <xsl:value-of select="."/>
19   </xsl:template>
20
21
22 </xsl:stylesheet>
23
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body></body>
</html>
```

5) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">Markup Languages</module>
4   <profesor>Victor</profesor>
5 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="/">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10        <xsl:apply-templates/>
11      </body>
12    </html>
13  </xsl:template>
14
15  <xsl:template match="module">
16    <xsl:value-of select="."/>
17  </xsl:template>
18  <xsl:template match="profesor">
19    <xsl:value-of select="."/>
20  </xsl:template>
21
22 </xsl:stylesheet>
23
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body>
  Markup Languages
  Víctor
</body>
</html>
```

6) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">
4     <name>Markup Languages</name>
5     <profesor>Victor</profesor>
6   </module>
7
8   <module sessions="3" hours="50">
9     <name>English Markup Languages</name>
10    <profesor>Tony</profesor>
11  </module>
12
13  <module sessions="3" hours="120">
14    <name>Networks</name>
15    <profesor>Ned</profesor>
16  </module>
17 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="/">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10        <xsl:for-each select="module">
11          <p>Mod Name: <xsl:value-of select="name"/></p>
12          <p>Prof: <xsl:value-of select="profesor"/></p>
13        </xsl:for-each>
14      </body>
15    </html>
16  </xsl:template>
17
18 </xsl:stylesheet>
19
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body>
<p>Mod Name: Markup Languages</p>
<p>Prof: Victor</p>
<p>Mod Name: English Markup Languages</p>
<p>Prof: Tony</p>
<p>Mod Name: Networks</p>
<p>Prof: Ned</p>
</body>
</html>
```

7) Do they match?

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <cycle>
3   <module sessions="5" hours="133">
4     <name>Markup Languages</name>
5     <profesor>Victor</profesor>
6   </module>
7
8   <module sessions="3" hours="50">
9     <name>English Markup Languages</name>
10    <profesor>Tony</profesor>
11  </module>
12
13  <module sessions="3" hours="120">
14    <name>Networks</name>
15    <profesor>Ned</profesor>
16  </module>
17 </cycle>
```

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
3
4   <xsl:template match="/">
5     <html>
6       <head>
7         <title>HTML document</title>
8       </head>
9       <body>
10        <xsl:for-each select="cycle/module">
11          <p>Mod Name: <xsl:value-of select="name"/></p>
12          <p>Prof: <xsl:value-of select="profesor"/></p>
13        </xsl:for-each>
14      </body>
15    </html>
16  </xsl:template>
17
18 </xsl:stylesheet>
19
```

Output:

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>HTML document</title>
</head>
<body>
<p>Mod Name: Markup Languages</p>
<p>Prof: Victor</p>
<p>Mod Name: English Markup Languages</p>
<p>Prof: Tony</p>
<p>Mod Name: Networks</p>
<p>Prof: Ned</p>
</body>
</html>
```