

```

public void traverse(int pos) throws org.xml.sax.SAXException
{
    m_dtm = m_transformer.getXPathContext().getDTM(pos);
    m_startNode = pos;

    traverse(pos);
}

```

```

protected void endNode(int node) throws org.xml.sax.SAXException
{
    ...
    String ns = m_dtm.getNamespaceURI(node);
    ...
}

```

```

public String getNamespaceURI(int nodeHandle)
{
    ....

    ++ int element = _exptype(makeNodeIdentity(nodeHandle));
    ++ return m_expandedNameTable.getNamespace(element);
}

```

```

void traverse(int pos) throws org.xml.sax.SAXException
{
    /* average counter of this loop in each testcase 9780 and
    max 13020 */
    while (DTM.NULL != pos)
    {
        startNode(pos);
        int nextNode = m_dtm.getFirstChild(pos);

        /* average counter of this loop in each testcase 8660 and
        max 77200*/
        while (DTM.NULL == nextNode)
        {
            endNode(pos);
        }
    }
}

```

```

int _exptype(int identity)
{
    if (identity == DTM.NULL)
        return NULL;
    /* average counter of this loop in each testcase 1449910 and
    max 3990220*/
    while (identity >= m_size)
    {
        if (!nextNode() && identity >= m_size)
            return NULL;
    }
    return m_exptype.elementAt(identity);
}

```