



- * ancestors: lower prework number, higher postwork number
- * preceding: lower prework number, lower postwork number
- * following: higher prework number, higher postwork number
- * descendants: higher prework number, lower postwork number

sketch of XML storage (in a relational DB)

nodes (or text)			
nodeId=pre	post	elementname	parentid
21	29	bla	2
24	22	blubb	22 (first child of 21)
25	20	'Berlin'	24
26	21	'Hamburg'	24

consider a query //bla/blubb/text()[contains(., 'burg')]

```

select t.elementname
from nodes e1, nodes e2, nodes t
where e1.name = 'bla'
and e2.pre > e1.pre and e2.post < e1.post
and e2.elementname = 'blubb'
and t.parent = e2.pre
and t.elementname like '%burg%'
order by pre
      => output in document order
  
```



evaluation strategy;
consider there is a fulltext (inverted) index with (frequent) substrings