

BGP Triple Patterns: (s p o) Atomic Construct

AND selection union on top join, OPT

FILTER \Rightarrow schema (?X ?N) matches with triples and for X/variables N/variables ! bound (?X) \Rightarrow for MINUS difference

Filters UNION OPTIONAL

named

Nov 28-10:14

4 + 3 \leftarrow syntax

Semantics \downarrow

$\llbracket 4 + 3 \rrbracket = \llbracket 4 \rrbracket +_N \llbracket 3 \rrbracket$

$= 4_N +_N 3_N = 7_N$

$= \llbracket 7 \rrbracket$

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mix of XPath and F-Logic
1989

// person [name = N,
child [age = A]]

N/john A/12
N/john A/8
N/john A/10

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138 top :

```
graph TD; john("<john>") -- name --> name1["name 'John'"]; john -- child --> blank0("blank_0"); blank0 -- name --> name2["name 'Alice'"];
```

138 below

```
graph TD; blank1("blank_1") -- name --> name1["name 'John'"]; blank1 -- child --> blank2("blank_2"); blank2 -- name --> name2["name 'Alice'"];
```

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