

The Universal Short Graph Language

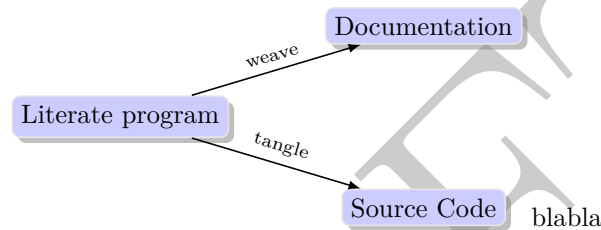
Introducing the \sqcup language

Laurent Fournier – lfournie@rockwellcollins.com

[EYQt6]*

June 25, 2012

1 Introduction



Blabla intro with diagram:

2 Parser

```

1  __RE_U__ = r '''          # RegExp
2  (?:                        # Three basic tokens:
3  ([{ }])                    # (1) Block
4  /
5  (?:\#[^\n]*)               # or (2) Line comment
6  /                           # or (3) NODE:
7  (?:[^\s<|-->])             # Not empty token
8  (?: (\w{1,10}) )           # Name
9  (?: (\w) )                 # Type pre
10 ( (%s) (.+?) \5 \[ ( [^\]]+ ) \] / \ ( ( [^\]]+ ) \) / ) # Content
11 (\w)                        # Type post
12 (?: \. (\w{1,20} / \*) )    # Port
13 /                           # or (4) ARC:
14 ([<|-->])                   # Head
15 (?: ( [^\W\d_] ) )         # Type pre
16 ( (%s) (.+?) \14 \[ ( [^\]]+ ) \] / \ ( ( [^\]]+ ) \) / ) # Content
17 (?: ( [^\W\d_] ) )         # Type post
18 ([<|-->])                   # Tail
19 )''' % (__delimiter__, __delimiter__)
  
```

The end of the document

*the first five characters of the base64 encoding of the SHA1 digest of the attached source files.