

# The Universal Short Graph Language

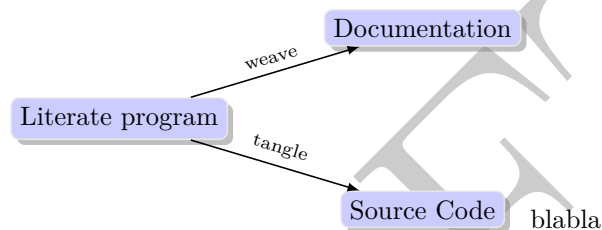
## Introducing the $\sqcup$ language

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[PlsPy]<sup>\*</sup>

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# 1 Introduction



Blabla intro with diagram:

## 2 Parser

```

1  __RE_U__ = r'''
2      (? :
3          ([{ }])          # (1) Block
4      /
5      (? : \#[^\n]*)      # or (2) Line comment
6      /
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     /
14     ([< \-=>])          # Head
15     (? : ([^\W\d_] /) /) # Type pre
16     ((%s)(. + ?) \14 / \[ ([^\]]+ ) \] / \ ( ([^~]+ ) \) \) /) # Content
17     (? : ([^\W\d_] /) /) # Type post
18     ([< \-=>])          # Tail
19 )''' % (__delimiter__, __delimiter__)

```

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