

```
JOB:
occupancy "1 2" 20
END

SERVICE:
occupancy int8
INIT:
int16 temp
int16 light
int16 a
int16 thresh

END

temp = get(TEMP);
light = get(LIGHT);
a = 0.5*temp + 0.1*light

if (a<thresh)
toggle (RED_LED)
return 1
else
toggle (GREEN_LED)
return 0
endif
END
```

Source Code

Lexical
Analyzer

Parser
(Grammar
Analyzer)

Readable
Instructions

ByteCode
Stream

Data
handler

Code
Interpreter

Code
Interpreter

Code
Interpreter

