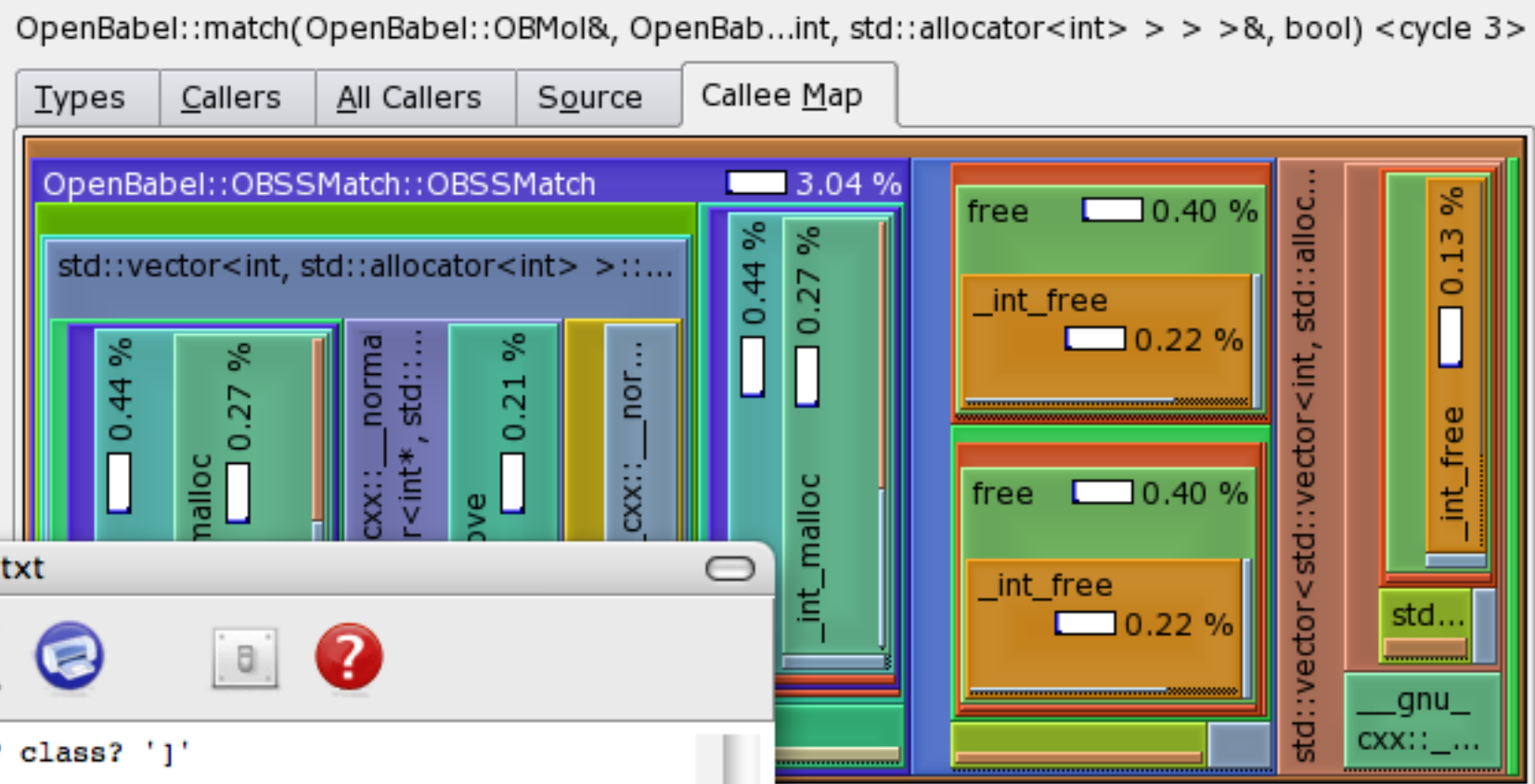




Instruction Fetch

Ir	Calls	Function
		-- OpenBabel::OBAtomTyper::As...
23.47	11 000	OpenBabel::OBSmartsPattern::...
37.51	18 905	OpenBabel::match(OpenBabel:...
32.13	18 905	OpenBabel::OBSSMatch::Matc...
28.05	306 660	OpenBabel::EvalAtomExpr(Op...
10.59	8 657	OpenBabel::OBAtom::GetHyb ...
20.92	395	OpenBabel::OBAtomTyper::As...
9.93	3 800	OpenBabel::OBSmartsPattern::...
9.74	3 800	OpenBabel::match(OpenBabel:...
15.42	10 760	OpenBabel::OBSSMatch::Matc...



```
atom ::= '[' mass? symbol chiral? hcount? charge? class? ']'

where:
  mass ::= NUMBER

  symbol := element_symbols | aromatic_symbols | '*'

  element_symbols ::=
'H' | 'Li' | 'Na' | 'K' | 'Rb' | 'Cs' | 'Fr' | 'Be' | 'Mg' | 'Ca' | 'Sr' | 'Ba' | 'Ra' | 'Sc' | 'Y' | 'La' | 'Ac' | 'Ti' | 'Zr' | 'Hf' | 'Rf' | 'V' | 'Nb' | 'Ta' | 'Ha' | 'Cr' | 'Mo' | 'W' | 'Sg' | 'Mn' | 'Tc' | 'Re' | 'Ns' | 'Fe' | 'Ru' | 'Os' | 'Hs' | 'Co' | 'Rh' | 'Ir' | 'Mt' | 'Ni' | 'Pd' | 'Pt' | 'Ds' | 'Cu' | 'Ag' | 'Au' | 'Rg' | 'Zn' | 'Cd' | 'Hg' | 'Tl' | 'Pb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'Ga' | 'In' | 'Tl' | 'Pb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'Ge' | 'Sn' | 'Pb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'As' | 'Sb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'Se' | 'Te' | 'Po' | 'At' | 'Rn' | 'Br' | 'I' | 'At' | 'Rn' | 'Cl' | 'At' | 'Rn' | 'F' | 'At' | 'Rn' | 'O' | 'S' | 'Se' | 'Te' | 'Po' | 'At' | 'Rn' | 'N' | 'P' | 'As' | 'Sb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'C' | 'Si' | 'Ge' | 'Sn' | 'Pb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'B' | 'Al' | 'Ga' | 'In' | 'Tl' | 'Pb' | 'Bi' | 'Po' | 'At' | 'Rn' | 'He' | 'Ne' | 'Ar' | 'Kr' | 'Xe' | 'Rn'

  aromatic_symbols ::= 'c' | 'n' | 'o' | 'p' | 's' | 'se' | 'as'

  chiral ::= '@' | '@e' | '@TH1' | '@TH2' | '@AL1' | '@AL2' | '@SP1' | '@SP2' | '@SP3' | '@TB1' | '@TB2' | '@TB3' | ... | '@TB29' | '@TB30' | '@OH1' | '@OH2' | '@OH3' | ... | '@OH29' | '@OH30'

  hcount ::= 'H' | 'H' DIGIT
```

