Adaptivity analysis

```
AExpr.
                        ::= n \mid x \mid a_1 + a_2 \mid a_1 - a_2 \mid a_1 * a_2
                        ::= v \mid a_1 < a_2 \mid a_1 = a_2 \mid \neg b \mid b_1 \land b_2 \mid b_1 \lor b_2
BExpr
Command
                         ::= Skip \mid c_1; c_2 \mid  if b then c_1 else c_2 \mid  while(b) c
                                | x \leftarrow a | x \leftarrow^l \delta^l(a)
                    l
Label
                         \in
Trace
                    T
                         ::= \{[(x_1, l_1), \dots, (x_i, l_i)], \dots, [(y_1, l_1), \dots, (y_i, l_i)]\}
Environment
                         ::= x_1 \mapsto (n_1, T_1), \dots, x_n \mapsto (v_n, T_n)
Node
                         ::= Empty \mid D_1(x,T) \mid D_2(x,T) \mid IFT(T_b,N)
                                 \mid IFF(T_b, N) \mid W(T_b, N) \mid N_1; N_2
                    T
Trace
                                Set < List < Var \times Label >>
                         \in
```

Figure 1: Big-step semantics