```
CFG with Analysis Result for example
                                                                                           english -> N, math -> W, science -> N, bonus -> W, passing -> W
                                                                                      2
                                                                                           english -> N, math -> W, science -> N, bonus -> W, passing -> W
                                                                                                             english = bool(input())
                                                                                           english -> N, math -> W, science -> N, bonus -> W, passing -> W
                                                                                                              math = bool(input())
                                                                                           english -> N, math -> U, science -> N, bonus -> W, passing -> W
                                                                                                             science = bool(input())
                                                                                           english -> N, math -> U, science -> N, bonus -> W, passing -> W
                                                                                                              bonus = bool(input())
                                                                                           english -> N, math -> U, science -> N, bonus -> U, passing -> W
                                                                                                                 passing = True
                                                                                           english -> N, math -> U, science -> N, bonus -> U, passing -> U
                                                                                      IF IN: not(english)
  3
      english -> N, math -> U, science -> N, bonus -> U, passing -> U | english -> N, math -> S, science -> N, bonus -> S, passing -> S
                                                                                                                                         not(not(english))
                                                            english = False
      english -> N, math -> U, science -> N, bonus -> U, passing -> U | english -> N, math -> S, science -> N, bonus -> S, passing -> S
                                                                                                    IF OUT
                                                                                    5
                                                                                        english -> N, math -> U, science -> N, bonus -> U, passing -> U
                                                                                                   1F IN: not(math)
   english -> N, math -> U, science -> N, bonus -> U, passing -> U | english -> N, math -> S, science -> N, bonus -> U, passing -> W
                                                  passing = or(False, bonus)
                                                                                                                                     not(not(math))
   english -> N, math -> U, science -> N, bonus -> U, passing -> U | english -> N, math -> S, science -> N, bonus -> S, passing -> S
                                                                                                 IF OUT
                                                                                 7
                                                                                     english -> N, math -> U, science -> N, bonus -> U, passing -> U
                                                                                                TF_IN: not(math)
english -> N, math -> N, science -> N, bonus -> N, passing -> U | english -> N, math -> N, science -> N, bonus -> U, passing -> W
                                                                                                                                  not(not(math))
                                               passing = or(False, bonus)
english -> N, math -> N, science -> N, bonus -> N, passing -> U | english -> N, math -> N, science -> N, bonus -> N, passing -> S
                                                                                           IF OUT
                                                                              8
                                                                                  english -> N, math -> N, science -> N, bonus -> N, passing -> U
                                                                                                          print(passing)
                                                                                  english -> N, math -> N, science -> N, bonus -> N, passing -> N
                                                                              9
                                                                                  english -> N, math -> N, science -> N, bonus -> N, passing -> N
```

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