

3) $\langle \text{Condition} \rangle \rightarrow \langle \text{Condition}^1 \rangle \text{ AND } \langle B \rangle$ { if isTemp(Condition¹val) then
 Begin
 Conditionval = Condition¹val;
 if isTemp(Bval) then
 RemoveTemp;
 End
 else if isTemp(Bval) then
 Conditionval = Bval;
 else Conditionval = NewTemp;
 Emitline(Conditionval + '=' +
 Condition¹val + 'and' + Bval);
 ConditionType = Condition¹Type;
 if (Condition¹Type != BType)
 } Type Error;

4) $\langle \text{Condition} \rangle \rightarrow \langle \text{Condition}^1 \rangle \text{ OR } \langle B \rangle$ { if isTemp(Condition¹val) then
 Begin
 Conditionval = Condition¹val;
 if isTemp(Bval) then
 RemoveTemp;
 End
 else if isTemp(Bval) then
 Conditionval = Bval;
 else Conditionval = NewTemp;
 ...
 Emitline(Conditionval + '=' +
 Condition¹val + 'or' + Bval);
 ConditionType = Condition¹Type
 if (Condition¹Type != BType) Type Error; }
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5) $\langle \text{Condition} \rangle \rightarrow \text{Not} \langle \text{Condition} \rangle$ { Emitline (Conditionval +
 ' = ' + 'not' + Conditionval

6) $\langle \text{Condition} \rangle \rightarrow \langle \text{B} \rangle$ { Conditionval = Bval;
 ConditionType = BType; }
 ConditionType = ConditionType;

7) $\langle \text{B} \rangle \rightarrow \langle \text{E} \rangle \text{ Relop } \langle \text{E}' \rangle$ { if isTemp (E'val) then
 Begin Bval = E'val;
 if isTemp (E'val) then
 RemoveTemp;
 end
 else if isTemp (E'val) then
 Bval = E'val;
 else Bval = NewTemp;
 Emitline (Bval + ' = ' + E'val +
 Relop + E'val);
 BType = boolean;
 if (EType != E'Type) TypeError;

8) $\langle \text{B} \rangle \rightarrow \text{True}$ { Bval = 'true'; BType = boolean; }

9) $\langle \text{B} \rangle \rightarrow \text{False}$ { Bval = 'false'; BType = boolean; }

10) $\langle \text{B} \rangle \rightarrow \text{id}$ { Bval = id.lexval; BType = boolean; }