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编译第十一次作业.

<label1>



1.  $XY2+ = \text{<label1> } bz \text{ } ZX := \text{<label2> } br \text{ } ZY1+ := \text{<label2>}$

2.

三元式:

① + B C  
② / ① E  
③ + B C  
④ \* ③ F  
⑤ + ② ④  
⑥ := A ⑤

间接三元式:

三元式:  
① + B C  
② / ① E  
③ \* ① F  
④ + ② ④  
⑤ := A ⑤

操作:

1. ①  
2. ②  
3. ①  
4. ③  
5. ④  
6. ⑤

四元式序列:

① + B C T<sub>1</sub>  
② / T<sub>1</sub> E T<sub>2</sub>  
③ + B C T<sub>3</sub>  
④ \* T<sub>3</sub> F T<sub>4</sub>  
⑤ + T<sub>2</sub> T<sub>4</sub> T<sub>5</sub>  
~~⑥ := A T<sub>5</sub> T<sub>6</sub>~~  
⑥ := T<sub>5</sub> - A

3.

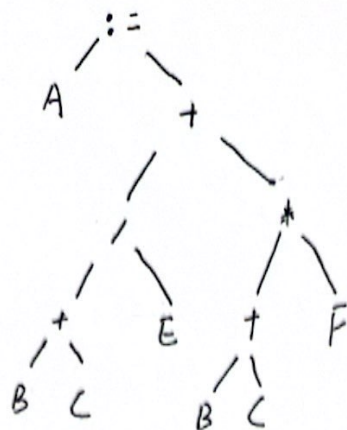
①: := B - A[ ]

②: [ ] A 1 T<sub>1</sub>

:= T<sub>1</sub> - B



4.



补充: label<sub>1</sub>

do <stmt> while <expr>

label<sub>2</sub>

~~<expr> <label<sub>2</sub>> BZ <label<sub>1</sub>> BR~~ 逆波兰式: <stmt> <expr> <label<sub>2</sub>> BZ label<sub>1</sub> BR

三地址表达式

-L0:

~~<stmt>~~

-End

-L1:

-to = <expr>

If ~~to~~ goto -End

label<sub>1</sub>

for ( <expr<sub>1</sub>>; <expr<sub>2</sub>>; <expr<sub>3</sub>> ) <stmt>;

label<sub>2</sub>

逆波兰: <expr<sub>1</sub>> <expr<sub>2</sub>> ~~<label<sub>2</sub>>~~ BZ <expr<sub>3</sub>> <stmt> BR <label<sub>1</sub>>

三地址表达式:

-L0:

<expr<sub>1</sub>>

-L1:

-to = <expr<sub>2</sub>>

If ~~to~~ goto End

<expr<sub>3</sub>>

<stmt>

Goto -L1

-End

