

# TDT4205 Compiler Construction

## Assignment/Problem Statement 5

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### 1 Theory 30%

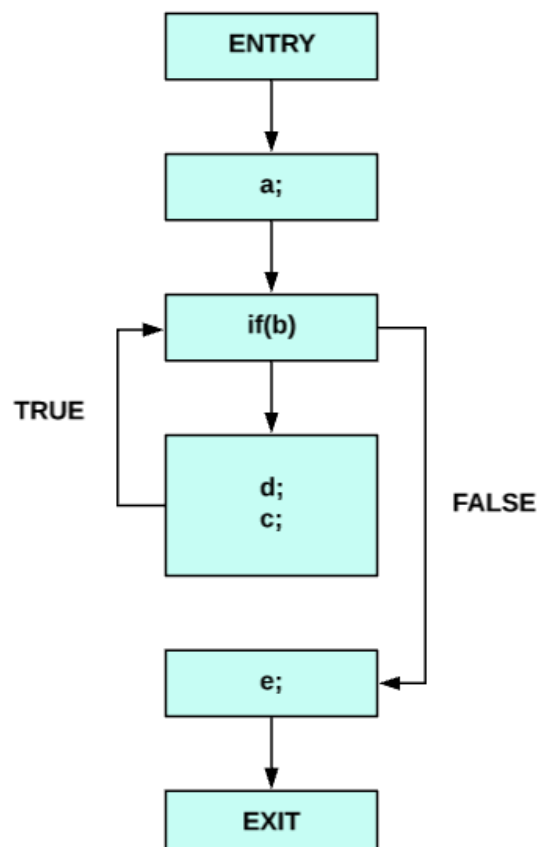
#### 1.1 Part I

Create control flow graphs for the following program fragments:

1. for ( a ; b ; c ) d ; e ;
2. a ; while ( b ) d ; c ; e ;
3. a ; do d ; c ; while ( b ); e ;

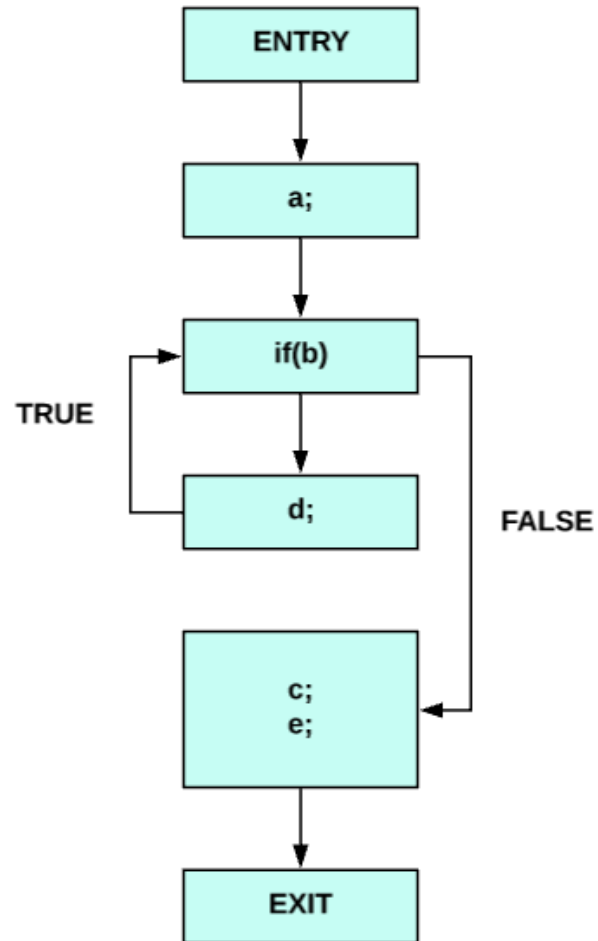
1. Control flow graph for program fragment 1.

for ( a ; b ; c ) d ; e ;



2. Control flow graph for program fragment 2.

a ; while ( b ) d ; c ; e ;



3. Control flow graph for program fragment 3.

a ; do d ; c ; while ( b ); e ;

