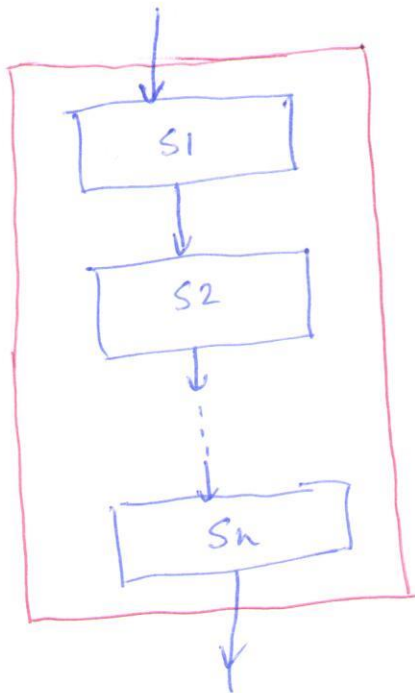


Algorithmic Structures

1. Sequence Structure

Flowchart

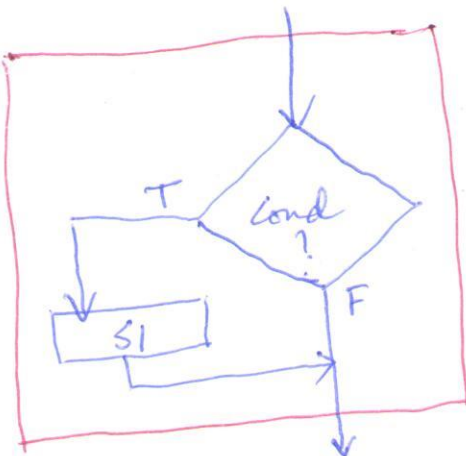


C-language construct

```
{  
    S1;  
    S2;  
    ...  
    Sn;  
}
```

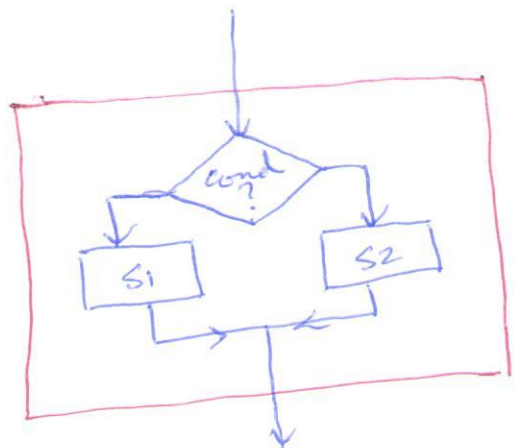
2. Conditional Structures

a.



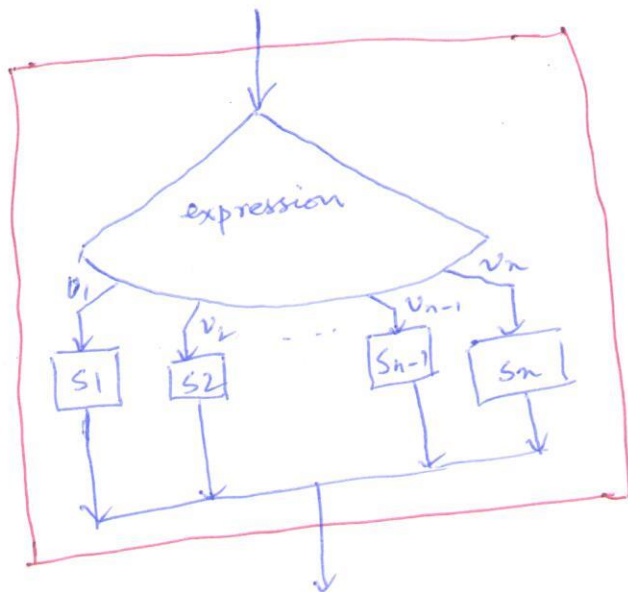
if (cond)
 S1;

b.



if (cond)
 S1;
else
 S2;

2 c.

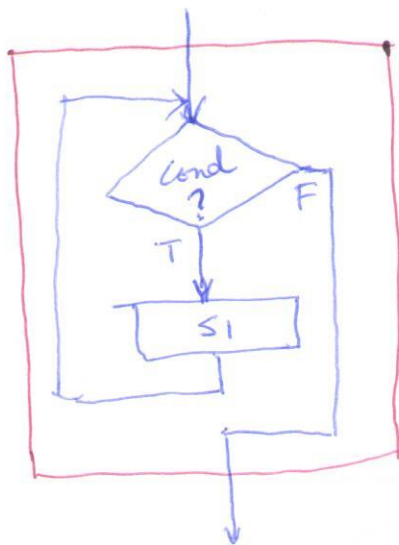


```

switch (expression) {
  case v1 : S1 ;
            break ;
  case v2 : S2 ;
            break ;
  ...
  case vn-1 : Sn-1 ;
              break ;
  case vn : Sn ;
            break ;
}
  
```

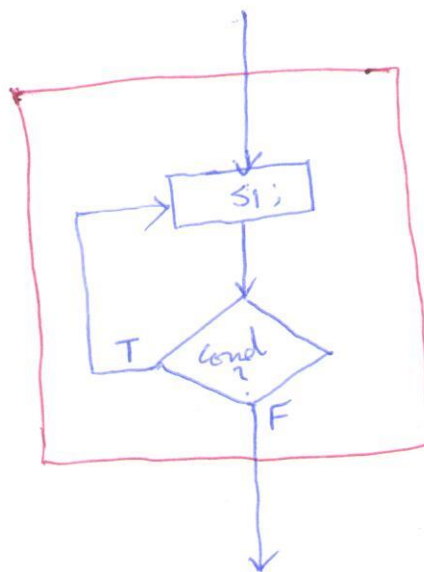
3. Iterative Structures

a. while



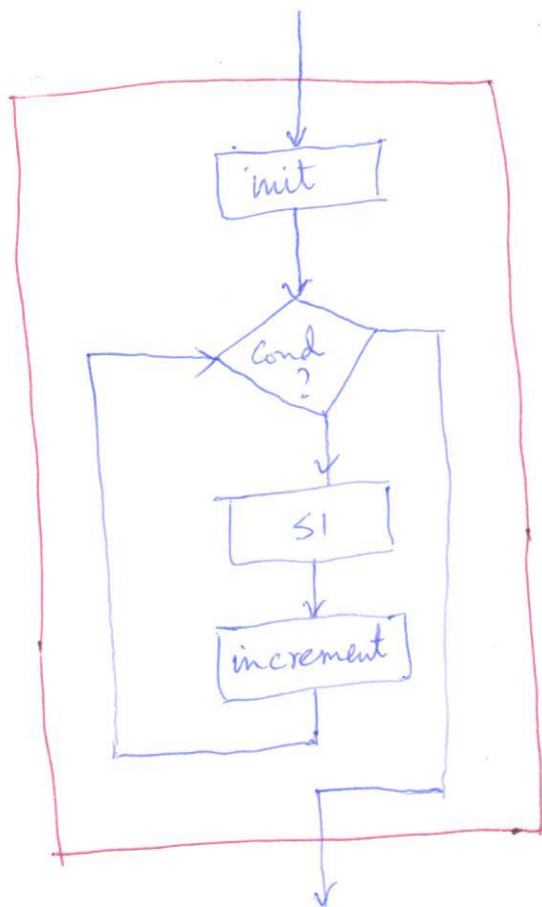
while (cond)
S1;

b. do-while



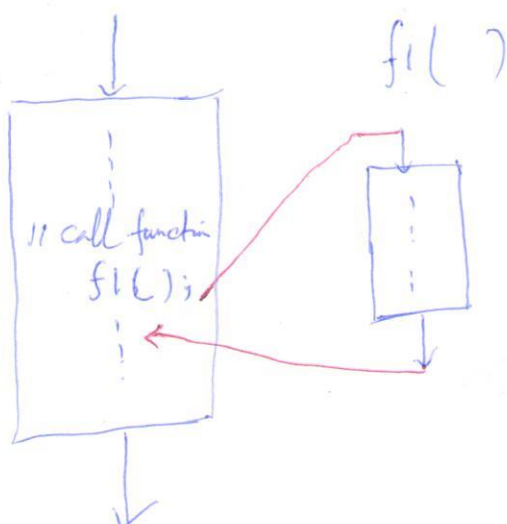
do {
S1;
} while (cond);

3 c. for loop



for (init; cond; increment)
SI;

4. Subprogram/Recursion



6. Control Transfer

goto
return
break
continue