Cyclomatic Complexity:

```
cout<<"welcome";
for(i=0;i<5;i++)
{
        switch(ch)  {
          case 1: break;
           case 2:  break;
           case 3: break;
        default :
         }
cout<<i;
}
 for ( j=0;j<5;j++) {
     if( b>0)
   {
         cout << b;}
      else if ( b>5) {
          cout<<b; }
      else if ( b>10) {
           cout<< b;  }
     else
          cout<<b;
      } // end of If else
 cout<<j;
} // end of for loop
```

a. **Draw the control flow graph for the above sample code**
b. **Calculate the cyclomatic complexity using predicate node**
c. **List out the basis path**