

Chapter 7

Written:

7.1: rule 1. Have to have a base case 2. Have to make progress from the last 3. Have to believe that the recursive is actually working. 4. never repeat work separate recursive calls and use dynamic programming

7.2:

```
public static long s( int n )  
{  
    if(n < 0)  
        return 0;  
  
    if( n == 1 )  
        return 1;  
  
    else  
        return s( n - 1 ) + n; 8  
}
```