

First, we've got to read in a line, split it into tokens, and parse the individual tokens.

```
/**
 * Parses a spec, returning a list of all the
 * (hours | minutes | seconds) specified.
 *
 * @param spec the spec
 * @param max the max (24 for hours, 60 for minutes or seconds)
 * @return the list
 */
private List<Integer> parse( String spec, int max )
{
    List<Integer> result = new ArrayList<Integer>(max);
    if( spec.contains( "*" ) )
    {
        for( int i=0; i<max; i++ ) result.add( i );
    }
    else
    {
        String tokens[] = spec.split( "," );
        for( String token : tokens )
        {
            if( token.contains( "-" ) )
            {
                String parts[] = token.split( "-" );
                int lo = Integer.parseInt( parts[0] );
                int hi = Integer.parseInt( parts[1] );
                for( int i=lo; i<=hi; i++ ) result.add( i );
            }
            else result.add( new Integer(token) );
        }
    }
    return result;
}
```

Now that we've got that, we need to tally 2 things from the specs: number of times in the day that something starts, and number of starts.

```
boolean times[][][] = new boolean[24][60][60];
for( int h=0; h<24; h++) for( int m=0; m<60; m++ ) Arrays.fill( times[h][m], false );

int n = sc.nextInt();

int totalJobs = 0;

while( n-->0 )
{
    List<Integer> hours = parse( sc.next(), 24);
    List<Integer> minutes = parse( sc.next(), 60 );
    List<Integer> seconds = parse( sc.next(), 60 );

    // This is the number of job starts
    totalJobs += hours.size()*minutes.size()*seconds.size();

    // Mark the seconds with job starts
    for( int h : hours ) for( int m : minutes ) for( int s : seconds )
    {
        times[h][m][s] = true;
    }
}

// Count the seconds with job starts
int totalSeconds = 0;
for( boolean[][] h : times ) for( boolean[] m : h ) for( boolean s : m )
{
    if( s ) ++totalSeconds;
}

ps.println( totalSeconds + " " + totalJobs );
```