

FINALS SUBRECTANGLES JAVA

```
public static int find_max_sum_of_subrect(String values) {
```

```
    StringTokenizer str = new StringTokenizer(values);
```

```
    int row = Integer.parseInt(str.nextToken());
```

```
    int col = Integer.parseInt(str.nextToken());
```

```
    int[][] grid = new int[col][row];
```

```
    for(int x = 0; x < row; x++) {
```

```
        for(int y = 0; y < col; y++) {
```

```
            grid[y][x] = Integer.parseInt(str.nextToken());
```

```
        }
```

```
    }
```

```
    int max = Integer.MIN_VALUE;
```

```
    for(int sizex = 1; sizex <= row; sizex++) {
```

```
        for(int sizey = 1; sizey <= col; sizey++) {
```

```
            for(int indexx = 0; indexx <= row - sizex; indexx++) {
```

```
                for(int indexy = 0; indexy <= col - sizey; indexy++) {
```

```
                    int temp = 0;
```

```
                    for(int x = indexx; x < indexx + sizex; x++) {
```

```
                        for(int y = indexy; y < indexy + sizey; y++) {
```

```
                            temp += grid[y][x];
```

```
                        }
```

```
                    }
```

```
                    if(temp > max)
```

```
                        max = temp;
```

```
                }
```

```
}
```

```
}
```

```
}
```

```
}
```

```
return max;
```

```
}
```

```
}
```