- import **Pkg**; **Pkg**.**add**("DataStructures");using **DataStructures**

file =
- **file** = **readlines**("day_5.txt")

```
function get_id(not_zone_or_group)
    upper = map(x-> (x=='B'|| x=='R'), collect(not_zone_or_group))

    return sum([up*2^(10-index) for (index,up) in enumerate(upper)])
end
```

passager_id =
- **passager_id** = [**get_id**(line) for line in file]

- **maximum**(passager_id)

Question 2

- md"# Question 2"

occupy =
- **occupy** = **DefaultDict**(false)

```
for id in passager_id
    occupy[id] = true
end
```

- **sum**([(**occupy**[i]==**false**)&&**occupy**[i-1]&&**occupy**[i+1] for i in 8:1023-8])

```
begin
    assent = -1
for i in 8:1023-8
    if (occupy[i]==false) && occupy[i-1] && occupy[i+1]
        assent = i
    end
end
end
```

- **assent**