

```

In[1]:= rawSeats = ReadString["F:\\prog\\aoc2020\\05input.txt"];
seats = StringSplit[#, {"\n", ""}] & /@ StringSplit[#, "\n"] &@rawSeats //.
{"F" → 0, "B" → 1, "L" → 0, "R" → 1};

In[3]:= rowBasis = Table[2^n, {n, 6, 0, -1}];
colBasis = Table[2^n, {n, 2, 0, -1}];

seatID[bits_] := (
  row = rowBasis.Drop[bits, -3];
  col = colBasis.Drop[bits, 7];
  Return[8 * row + col]
)

In[6]:= occupiedSeats = seatID /@ seats;
Max[occupiedSeats]

Out[7]= 835

In[8]:= allSeats = Table[s, {s, Min[occupiedSeats], Max[occupiedSeats]}];
Complement[allSeats, occupiedSeats]

Out[9]= {649}

```