Lecture 31: A Couple of Problems
Saddleback Search [Gries]

Problem: Given an $M \times N$ array, $A$, of integers in which each row and each column is in non-descending order, find a value, $x$, in the array, given that $x$ is known to appear in $A$.

```
  1  3  3  7 11 15
  5 10 11 15 15 20
  9 12 16 19 24 28
 14 14 20 23 28 33
 14 18 25 26 29 34
```

I'd like a solution with this form:
```python
def saddle_search(A, x):
    M, N = len(A), len(A[0])
    initialize variables
    while True:
        if ______________: __________
        elif ______________: __________
        ... 
        else: break
    return ___, ___  # The row and column
```