





Question 4:

```
Fibonacci(matrix An, int n) \\ int A[2][2] = \{1,1,1,0\}; \\ if (n==0) \\ return An[0][1]; \\ else \\ An *= A; \\ Fibonacci(An, n-1)
```

Question 5

input (int n), A)

priority Queue qi

for (i=1 to n), Octogn) In Jegn

for (i=1 to n)

for (i=1 to n)

return A = quextract();

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lying becomes O(n logn) is footset