Concurrency — Exercise 7
Locking 3

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Problem 1

Rebuild your own class `MyExecutor` that gets passed instances of `Runnable` and has them executed by a self-managed thread-pool of fixed size.

Problem 2

Extend your solution to problem 1 such that your executor can also get passed instances of `Callable`, and that it returns `Future` objects for these `Callable` objects.

Problem 3

Using your own executor implementation, rebuild your own class `MyCompletionService` that manages the results of the previously submitted `Callable` instances in a queue as they are completed.

Have fun and good luck!