Write code for the following method:

func XMarksTheSpot (_ n:Int) -> [[Character]]

This method creates and returns an n x n matrix of characters. All characters are spaces, except that there is a X formed by the character X along both diagonals. For example, if n is 4, the matrix returned is

```
X   X
 XX
 XX
X   X
```

```swift
func XMarksTheSpot (_ n:Int) -> [[Character]] {

    var M:[[Character]] = []
    for _ in 0..<n {
        var row:[Character] = []
        for _ in 0..<n {
            row.append (" ")
        }
        M.append (row)
    }
    for i in 0..<n {
        M[i][i] = "X"
        M[i][n-i-1] = "X"
    }
    return M
}
```