Random Binary Vectors

Matlab Demo

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Summary

- `help rand` to see documentation
- `rand` to generate random matrices
- `( A < p )` to make a Boolean matrix from any matrix `A`

```
C = ( rand(1,100) < 0.05 )
```

Exercise

Write an m-file with a function which produces a random binary word. It should take two arguments, the word length N, and the probability p of each bit being 1*. Each bit should be drawn independently.*

Make the argument p optional, defaulting to p = 0.5.