**Brute Force Algorithm = O(2^n)**

0 = shutdown / x = processing data on that day

**for n=2 there are 2^2 = 4 possibilities**

x x

0 x

x 0

0 0

----------------------------------------------

**for n=3 there are 2^3 = 8 possibilities**

x x x

0 x x

x 0 x

x x 0

0 0 x

0 x 0

x 0 0

0 0 0

----------------------------------------------

**for n = 4 there are 2^4 = 16 possibilities**

x x x x no rebooting 12

0 x x x

x 0 x x

x x 0 x

x x x 0

0 0 x x

0 x 0 x

0 x x 0

x 0 0 x

x 0 x 0

x x 0 0

0 0 0 x

0 0 x 0

0 x 0 0

x 0 0 0

0 0 0 0

The Dynamic programming version should be able to be O(n^2) as far as I can tell.