

Advanced Programming

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Excercise 5

What to do?

Extend the program from the previous week in the following way:

- Find out how `n` & `negn` works.
- Find out how

```
if (updatemask & 0xffff0000)
    colidx += 16;
if (updatemask & 0xff00ff00)
    colidx += 8;
if (updatemask & 0xf0f0f0f0)
    colidx += 4;
if (updatemask & 0xcccccccc)
    colidx += 2;
if (updatemask & 0xaaaaaaaa)
    colidx += 1;
```

works.

- Read about De Bruijn sequences and Gray codes.
- Find out how to enumerate subset sum and knapsack problems.
- Finish the code.