I2300 Algoritmiek
Homework Exercise 4a

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Meta

I have discussed the excercises with Jelle Licht.

1

too long, didn't read :P. No I actually didn't understand the assignment...

```
A and B;                /* two sorted lists from small to big with n elements */
if med(A) < med(B) then
 |  lolol;
else if med(A) > med(B) then
 |  else;
```

Algorithm 1: Calculate number of trucks required

2

The algorithm requires no sorting because that has already been done. Using the master method ....

3

We can use the master method to determine a tight upper bound time. $T(n) = aT(n/2) + f(n)$ so $a = 2$, $b = 2$ and $f(n) = n^3$. $n^{\log_b a}$ becomes n^1kkkkkkkkkkkkkkk

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