Toetsmatrix Proeftentamen

	Leerdoelen	Questions
L1	Understanding O notation	Q2
L2	Prove that a fucntion belongs to a class (O, Theta)	Q1(b), Q4(c)
L3	Going from an algorithm to its T.	Q1(a), Q4(a)
L4	Estimating from above and below this T.	Q2
L5	Knowing difference between worst case and best case.	Q3
L6	Solving recurrences	Q4
L7	Understand how auxiliary data structures influence complexity	Q3
L8	(Knowing what is NP complete.)	

Qi - question/exercise i

Points break down

Q1(a)	Write down the function correctly -- 10 points; guess theta class 5 points
Q1(b)	Statement of what needs to be proved for T\in\Theta -- 7 points; Proof: 6 points; explicitly give constants: 2 points
Q2	Each correct answer 3.33 points; each correct proof or counter-example: 3.33 points
Q3	Explain correctly when worst/best case occurs: 5 points each; determine the correct complexity class: 5 points each;
Q4(a)	Write down the function correctly -- 10 points
Q4(b)	Recursion tree -- 5 points; guess + justification -- 5 points
Q4(c)	Statement of what needs to be proved -- 4 points; Proof: 4 points; explicitly give constants: 1 points