

CST Part IB/II(G)/Diploma *Computation Theory*
List of corrections to the 2011/12 lecture notes

29 April 2013

Page 39: ‘Entscheidungsproblem’.

Page 64: Replace $f(e)\uparrow$ by $f(e)\downarrow$.

Page 75: Replace ‘(rej, 0, s) by ‘(rej, 0, S)’ and ‘(rej, 1, s) by ‘(rej, 1, S)’.

Page 111: Replace ‘ $\rho^n(f, g) \in \mathbb{N}^{n+1} \rightarrow \mathbb{N}$ ’ by ‘ $\rho^n(f, g) \in \mathbb{N}^{n+1} \dashrightarrow \mathbb{N}$ ’; replace ‘ $f \in \mathbb{N}^n \rightarrow \mathbb{N}$ ’ by ‘ $f \in \mathbb{N}^n \dashrightarrow \mathbb{N}$ ’; and replace ‘ $g \in \mathbb{N}^{n+1} \rightarrow \mathbb{N}$ ’ by ‘ $g \in \mathbb{N}^{n+2} \dashrightarrow \mathbb{N}$ ’.

Page 112: Replace ‘ R_0, R_{n+2}, \dots, R_N ’ by ‘ R_0, R_{n+3}, \dots, R_N ’.

Page 117: Replace ‘ $\mu^n f \in \mathbb{N}^n \rightarrow \mathbb{N}$ ’ by ‘ $\mu^n f \in \mathbb{N}^n \dashrightarrow \mathbb{N}$ ’ and ‘ $f \in \mathbb{N}^{n+1} \rightarrow \mathbb{N}$ ’ by ‘ $f \in \mathbb{N}^{n+1} \dashrightarrow \mathbb{N}$ ’.

Page 128: Replace ‘ $FV(M) \cup \{x\}$ ’ with ‘ $BV(M) \cup \{x\}$ ’.

Page 134: Replace ‘ $N \mapsto N[M/x]$ induces a total operation on α -equivalence classes’ by ‘In fact $N \mapsto N[M/x]$ induces a totally defined function from the set of α -equivalence classes of λ -terms to itself.’

Page 165: Replace “ $\lambda \vec{x}x.$ ” by “ $\lambda z \vec{x}x.$ ”.