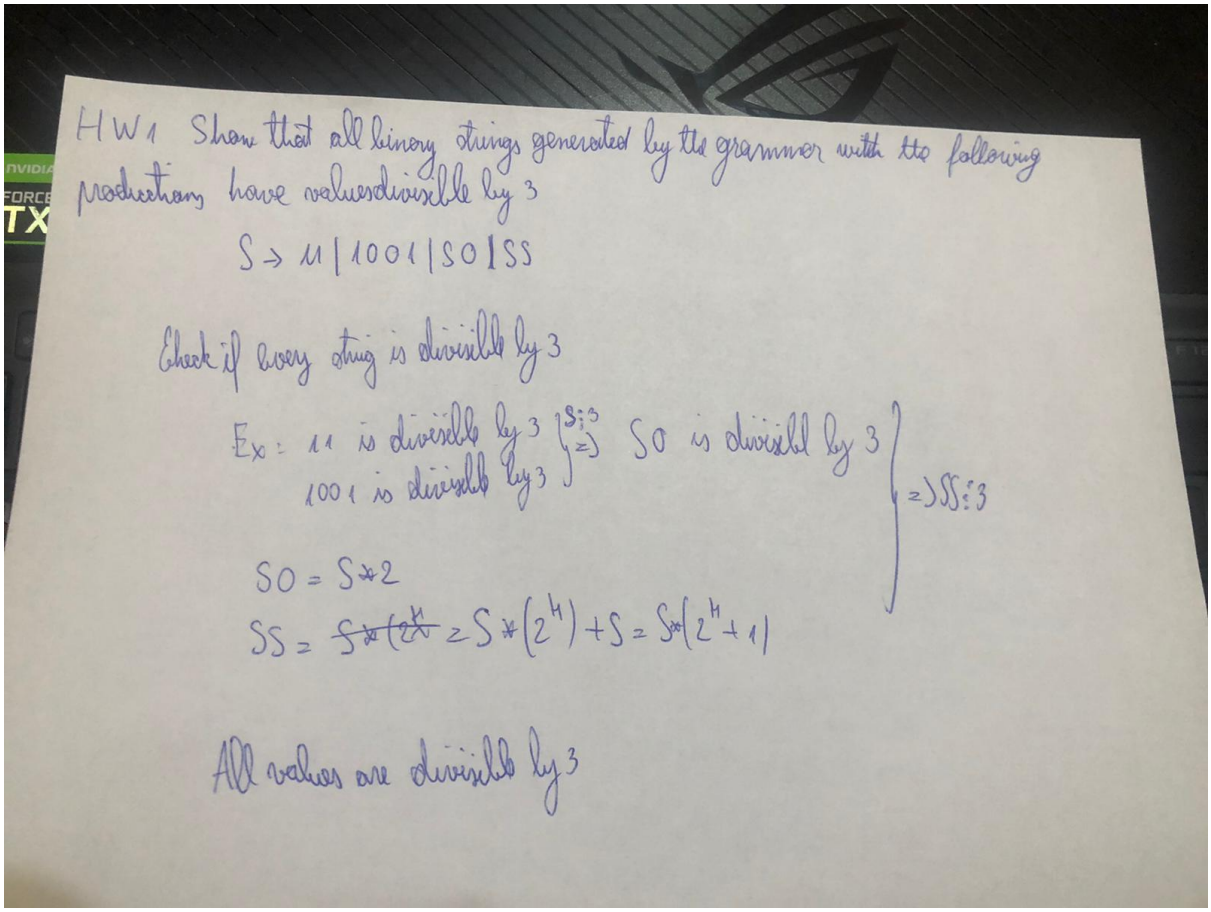
Radu Ceaca


HW1 Show that all binary strings generated by the grammar with the following productions have values divisible by 3
S → 11 | 1001 | S0 | SS
Check if every string is divisible by 3
Ex: 11 is divisible by 3
1001 is divisible by 3
S0 is divisible by 3
SS : 3
S0 = S*2
SS = S*(2^4) = S*(2^4) + S = S*(2^4 + 1)
All values are divisible by 3