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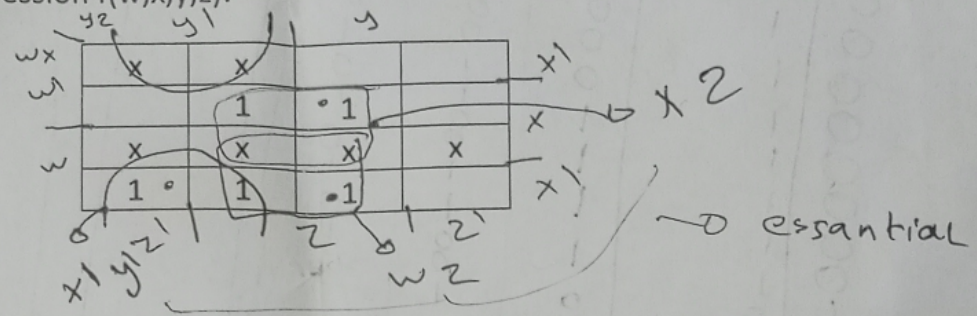
Birzeit University
Computer Systems Engineering Department
First Semester, 2024/2015
Digital Systems - ENCS2340

Quiz# 2

Name: ~~XXXXXXXXXX~~

ID: ~~XXXXXXXXXX~~

1. Simplify the following expression $f(w,x,y,z)$:



$$f = x'y' + wz + xz$$

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2. Given a combinational circuit that takes as input an integer number between 0 and 30, design the circuit so that it outputs the integer part of the square root of the input number. For example, if the input is 17 the output is 4, if the input is 27, the output is 5. Drive the truth table only.

~~integer to 5 bit~~

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