Bession 1 - homework.
Homework 1:
Prove the below expressions are equivalent!!!
Prove the below expressions are equivalent!!!  (1) $x'yz' + x'yz + xy'z' + xy'z + xyz' + xyz = (x+y+z) - (x+y+z')$
VT = x'y(z'+z) + xy'(z'+z) + xy'(z'+z)
$= x_{y} + x_{y} + x_{y}$
= x'y + xy' + xy' $= x'y + x (y' + y)$ $= x'y + x (y' + y)$
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VP = (x+y+z)(x+y+z')
= x + xy + xz' + xy + yz' + xz + yz
= x + xy + y + xz' + xz + yz' + yz' + yz' + z' + z' + z' + z'
= x + y(1/x) + x(z/z) + y(z/z)
= x + y + x + y
= x + y
=) YT = YP =) tpcm
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