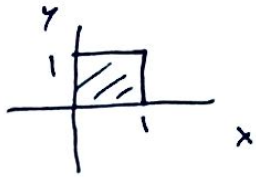
TPC JV 4/1/2008

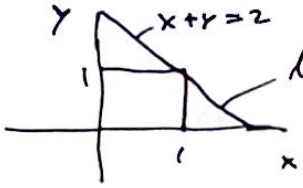
Parece uma projeção com "sombra"



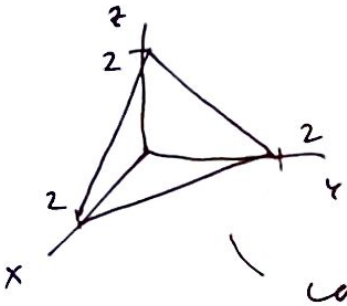
"chão" $z=0$ "teto" $z = 2-x-y$

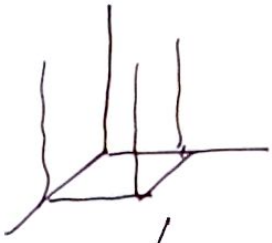
$\iff x+y+z=2$ (plano)

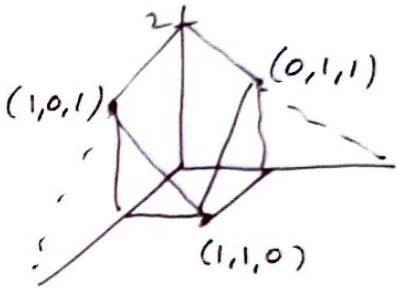
O teto interfere com o chão? Não!



linha onde o teto intersecta $z=0$





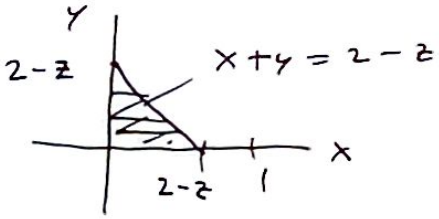


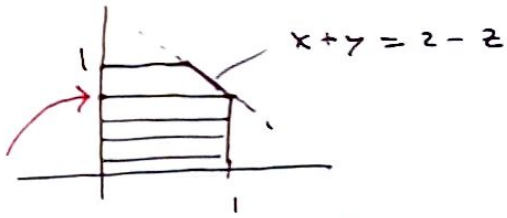
combinar

a) $dz\,dy\,dz$ imediato (projeção) (um integral)

b) $dx\,dy\,dz \Rightarrow$ cortes $z=c$

$1<z<2$ $\quad 2-z<1$ $\qquad 0<z<1$ $\quad (2-z>1)$





cortes dos cortes $y=c$

$$\begin{cases} x+y=2-z \\ x=1 \end{cases}$$

$\Rightarrow y = 1-z$

$1+2 =$ três integrais

c) (usando a ordem a)) dá $7/6$