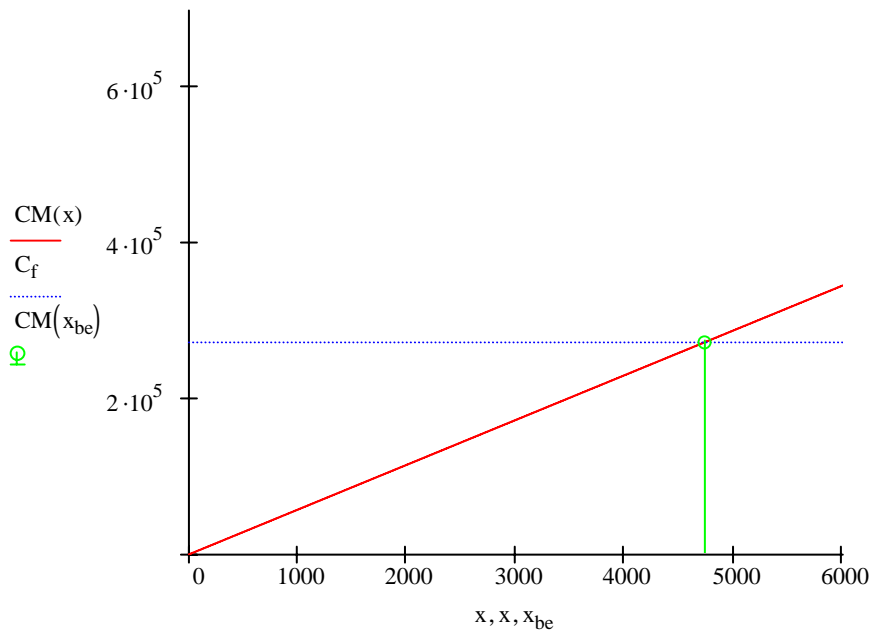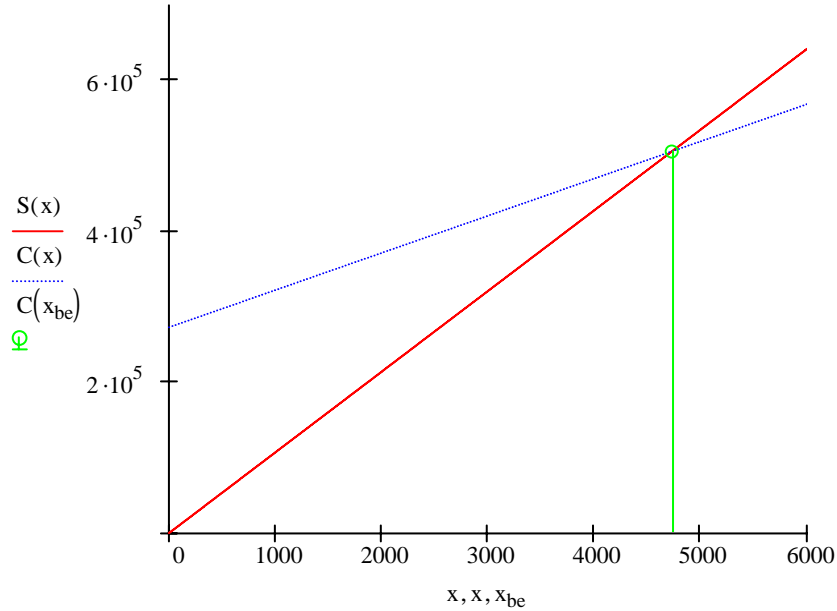# Breakeven Analysis

$x := 0 .. 6000 \quad p := 107 \qquad c_v := 49.31 \qquad cm := p - c_v \qquad cm = 57.69 \qquad CM(x) := cm \cdot x$

$C_f := 272855 \qquad x_{be} := \dfrac{C_f}{cm} \qquad x_{be} = 4730 \qquad S(x) := p \cdot x \qquad C(x) := C_f + c_v \cdot x$

Legend:

x = Quantity of goods produced and sold
p = Selling price
c_v = Variable cost per unit
cm = Contribution margin per unit
CM = Contribution margin
C_f = Fixed cost
x_{be} = Breakeven point
S = Sales
C = Total cost

be01.mcd