

Documentacao das Formulas

PyFinancial

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Abstract

1 Formulas

pv - BEG	$pv = (i + 1)^{-n} * (-fv * i - (i + 1) * ((i + 1)^n - 1) * pmt) / i$	http://www.a
pv - END	$pv = (i + 1)^{-n} * (-pmt * (i + 1)^n - fv * i + pmt) / i$	http://www.a
pv - i = 0	$pv = fv + n * pmt$	Material de C
fv - BEG	$fv = ((i + 1) * pmt - (i + 1)^n * (i * pmt + pmt + i * pv)) / i$	http://www.a
fv - END	$fv = (pmt - (i + 1)^n * (pmt + i * pv)) / i$	http://www.a
fv - i = 0	$fv = -(pv + n * pmt)$	Material de C
n - BEG	$n = \log((-fv * i + pmt * i + pmt) / (i * pmt + pmt + i * pv)) / \log(i + 1)$	http://www.a
n - END	$n = \log((pmt - fv * i) / (pmt + i * pv)) / \log(i + 1)$	http://www.a
n - i = 0	Se plos com sinal igual: $n = (pv - fv) / pmt $, c.c $n = (pv - fv) / pmt ^1$.	Material de C
pmt - BEG	$pmt = -i * (pv * (i + 1)^n + fv) / ((i + 1) * ((i + 1)^n - 1))$	http://www.a
pmt - END	$pmt = -i * (pv * (i + 1)^n + fv) / ((i + 1)^n - 1)$	http://www.a
pmt - i = 0	Se plos com sinal igual: $pmt = (pv - fv) / n $, c.c $pmt = (pv - fv) / n ^1$	Material de C
i	$i = (fv/pv ^{1/n} - 1) * 100$	http://www.c
npv	$NPV = CF_0 + CF_1 / (1 + i)^1 + CF_2 / (1 + i)^2 + \dots + CF_n / (1 + i)^n$	Manual da HI
irr	Resolvido por iteracao da frmula acima at que $NPV = 0$.	Livro que est
SAF: pmt	$pmt = pv * (1 + i)^n * i / ((1 + i)^n - 1)$	Material Adai
SAF: amort	$A_t = (pmt - (pv * i)) * (i + 1)^{t-1}$	Material Adai
SAC: juros	$J_t = pv * i - (A_t * i * t - 1)$	Material Adai
SAC: pmt	$pmt_t = A_t + J_t$	Material Adai
SAC: amort	$A_t = pv / n$	Material Adai

Observacoes:

¹ : Faz-se ainda um novo clculo do pv com o valor resultante do n. Se o valor retornado for diferente, inverte-se o sinal do n.