

Graph 1

Bank_Account(t) = Bank_Account(t - dt) + (Deposits - Fees) * dt
 INIT Bank_Account = 500 {dollars}

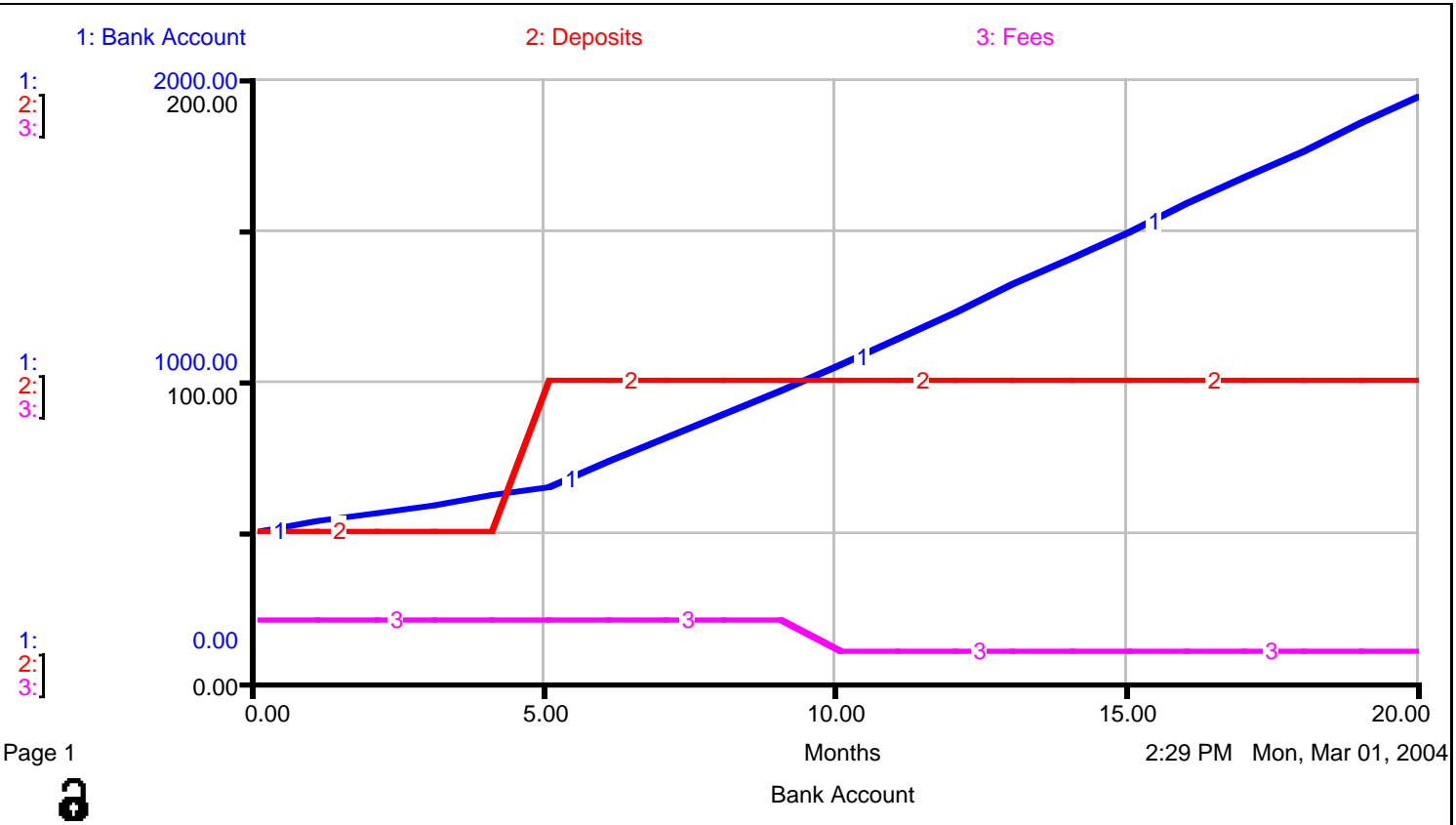
INFLOWS:

Deposits = 50+STEP(50,5) {dollars/month}

OUTFLOWS:

Fees = IF(Bank_Account<1000)THEN(20)ELSE(10) {dollars/month}

A bank account has an initial balance of \$500. For four months, \$50 is deposited per month, rising to \$100 in the fifth month and thereafter. The bank charges \$20/month fees if the balance is below \$1,000, and \$10/month if the balance is \$1,000 or more.



Syntax and Operation:

STEP(height,time)

STEP produces a permanent increase (decrease if negative) of amount "height" at time "time."

IF(Expression1)THEN(Expression2)ELSE(Expression3)

Executes "Expression2" if "Expression1" is true, and otherwise executes "Expression3."