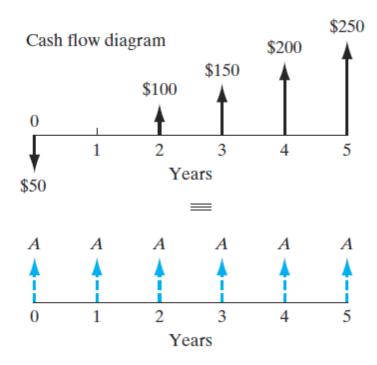
Find the equivalent equal payment series (A) using an A/G factor such that the two cash flows are equivalent at 10% compounded annually.



Present Worth of Cash Flow 1

$$= -50 + \{100 * 3.170 + (50 * 1.381) * 3.170\} * 3.170\} 0.9091$$

$$= -50 + {317 + 218} * 0.9091$$

$$= -50 + 479.64$$

Present Worth of Cash Flow 2 = A + A \* (P/A, 10%, 5)

$$= A + A * (3.791)$$

$$= 4.791A$$

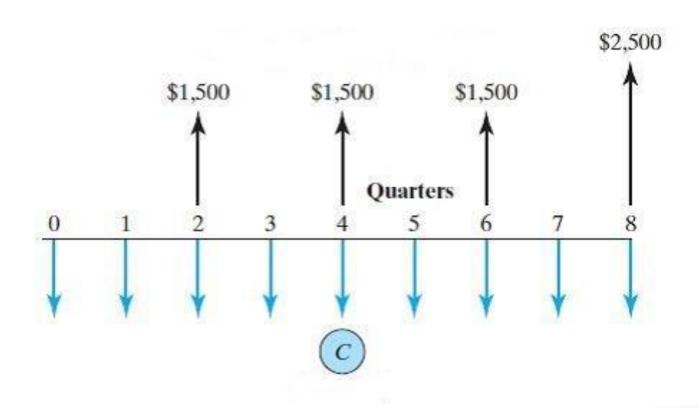
Equating the Present Worth of Cash Flow 1 to the Present Worth of Cash Flow 2 we have

$$465 = 4.791A$$

$$A = 465 / 4.791$$

$$A = 97 USD$$

What is the amount of deposits C, such that you will be able to withdraw the amounts in the cash flow diagram shown below, if the interest rate is 3 %.



$$C(F|P,3 -1.,8) + C(F|A,3 -1.,8)$$

$$= 1500(F|P,6.1.,3) + 1500(F|P,6.1.,2) + 1500(F|P,6.1.,1) + 2500$$

$$C(1.269) + C(8.901) = 1794 + 1690 + 1592 + 2500$$

$$C = \frac{7576}{10.17} = \frac{946}{10.17}$$

The following equation describes the conversion of a variable cash flow to an annual equivalent cash flow at the company's interest of 4%:

Reconstruct the original cash flow diagram.

