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A perpetuity is an infinite sequence of equal payments due at equal time intervals.

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Consider a bond with $\mathrm{F}=100, \mathrm{~T}=5$, $\mathrm{C}=10$ paid annually, $\mathrm{r}=0.12$ continuously compounded. Find the value of this bond at times 0 , 1 , and 4.

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| Example 4.35 |
| :--- |
| Consider a 3-year $10 \%$ coupon bond (paid |
| semiannually) with $\mathrm{F}=100, \mathrm{y}=0.12$ cc. |
| Find the new bond price if the yield |
| increases by ten basis points. |

