```
In[414]:= (* Amplificador A *)
                                            Solve[{
                                                                    I1 == \frac{V - Vo}{R0 + Rx},
                                                                   12 = \frac{v}{2 R0},
                                                                   V - R0 * I1 == R0 * I2
                                                             }, {I1, I2, Vo}] // FullSimplify
                                           Vo /. %[[1]] /. \{Rx \rightarrow R0 (1 + \alpha)\} // FullSimplify
Out[414]= \left\{ \left\{ \text{II} \rightarrow \frac{\text{V}}{2 \text{ R0}}, \text{I2} \rightarrow \frac{\text{V}}{2 \text{ R0}}, \text{Vo} \rightarrow \frac{(\text{R0} - \text{Rx}) \text{ V}}{2 \text{ R0}} \right\} \right\}
Out[415]= -\frac{V\alpha}{2}
Out[416]= -\frac{V}{2}
     In[417]:= (* Amplificador B *)
                                           Solve[{
                                                                            \frac{V1}{R} + \frac{V1 - V2}{R0} + \frac{V1 - V3}{Rx} + \frac{V1 - V0}{nR} = 0,

\frac{R}{R} = \frac{R0}{R} = \frac{Rx}{R} 
                                                                            V3 = V2 + V
                                                                     \ /. Vm \rightarrow 0, {V1, V2, V3, I1, Vo} // FullSimplify
                                           Vo /. %[[1]] /. \{Rx \rightarrow R0 (1 + \alpha)\} // FullSimplify
                                           D[\%, \alpha] // FullSimplify
 \text{Out} [\text{417}] = \ \Big\{ \Big\{ V1 \rightarrow \frac{ \left( R0 - Rx \right) \ V}{2 \ \left( R0 + Rx \right)} \text{, } V2 \rightarrow -\frac{V}{2} \text{, } V3 \rightarrow \frac{V}{2} \text{, } I1 \rightarrow -\frac{ \left( 3 \ R0 + Rx \right) \ V}{2 \ R0 \ \left( R0 + Rx \right)} \text{, } Vo \rightarrow \frac{ \left( 1 + n \right) \ \left( R0 - Rx \right) \ V}{2 \ \left( R0 + Rx \right)} \Big\} \Big\} 
Out[418]= -\frac{(1+n) \ V \alpha}{2 \ (2+\alpha)}
Out[419]= -\frac{(1+n) V}{(2+\alpha)^2}
```

| In[426]:= Export[NotebookFileName[EvaluationNotebook[]] <> ".pdf", EvaluationNotebook[]];