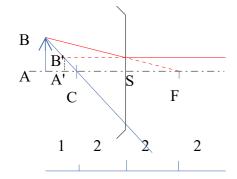
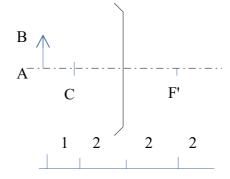
Trouvez A'B'





déterminez A'B' graphiquement.

Déterminez n' sachant que n=1.

déterminez la position de A'B' numeriquement.

D'après la relation de conjugaison

SA=-3cm SC=-2cm=-0,02m SF=f=2cm=0,02m n=1 n'=2

$$D=n'/SA'-n/SA=(n'-n)/SC=n'/f'=-n/f$$

$$D = -n/f = -1/0,02 = -50\delta$$

$$\begin{array}{l} (n'\text{-}n)/SC = \text{-}n/f \ soit \ n/f + n'/SC - n/SC = 0 \\ n'/SC = n/SC - n/f = n(1/SC - 1/SF) \end{array}$$

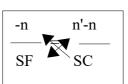
$$n'=nSC(1/SC-1/SF)$$

SA'?

$$D = n'/SA'-n/SA = -n/f$$

-n/f=n'/SA'-n/SA n'/SA'= n/SA-n/f SA'= n'/(n/SA-n/f) SA'=2/(1/-0,03-1/0,02)=2/(1/-3.10⁻²-1/2.10⁻²) SA'=-0,024

2)



SF=-4cm=-0.04m