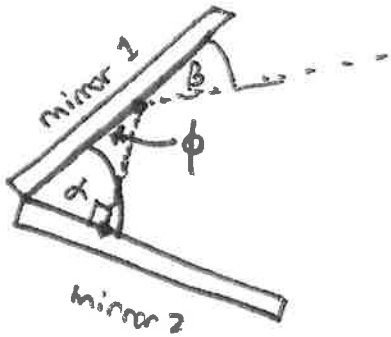


ASG vol 3 Ex 12.2 (Reflection from mirrors...)



Since $\beta = 30^\circ$,

$\phi = 30^\circ$ (by law of reflection).

Since $\alpha = 60^\circ$ and $\phi = 30^\circ$,

the beam must strike mirror 2 perpendicularly.

So it bounces 3 times before emerging.

What if the light ray makes a 15° angle ($\beta = 15^\circ$)?