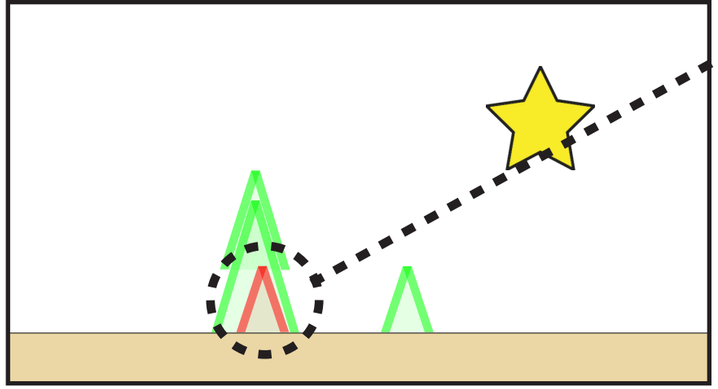


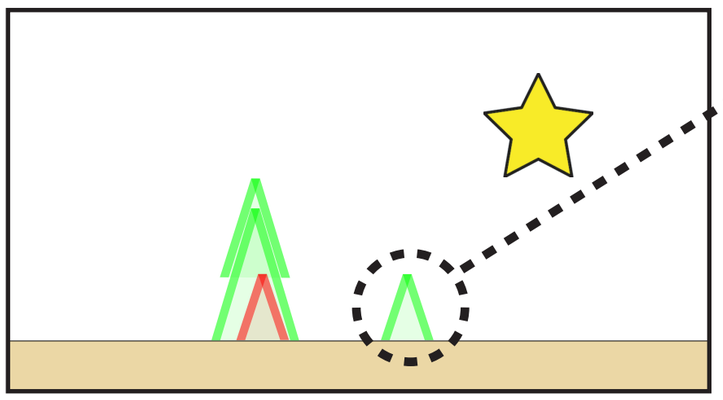
$\mathrm{red}, \mathrm{colour} \rightarrow$

$= (x_1, \mathrm{red}, \mathrm{colour}) \rightarrow$

$\wedge(\ = (x_1, \mathrm{red}, \mathrm{colour}), = (x_1, \mathrm{small}, \mathrm{size})) \rightarrow$

$\exists(\lambda x_1 : \quad \wedge(= (x_1, \mathrm{red}, \mathrm{colour}), = (x_1, \mathrm{small}, \mathrm{size}), \mathcal{X})$

There is a small red cone

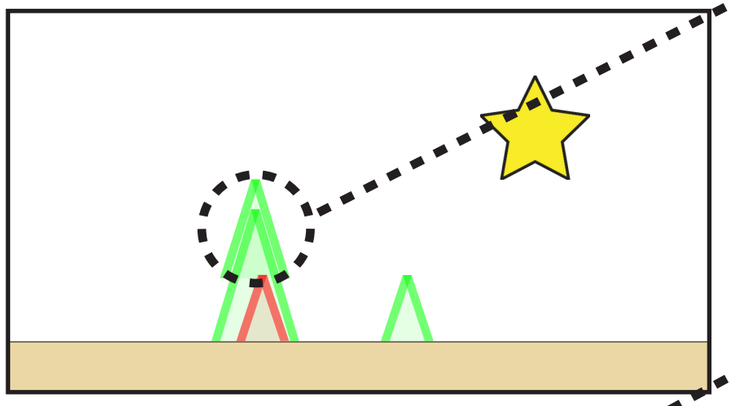


$\mathrm{green}, \mathrm{colour} \rightarrow$

$= (x_1, \mathrm{green}, \mathrm{colour}) \rightarrow$

$\mathrm{N}^{\geq}(\lambda x_1 : \quad = (x_1, \mathrm{green}, \mathrm{colour}), 3, \mathcal{X})$

There are at least three green cones

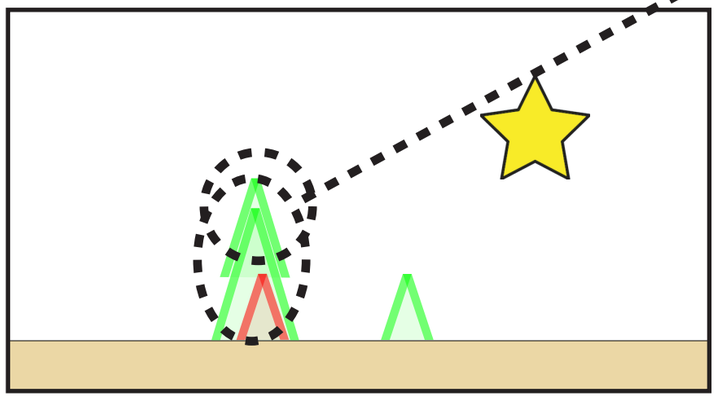


$\mathrm{medium}, \mathrm{size} \rightarrow$

$\geq (x_1, \mathrm{medium}, \mathrm{size}) \rightarrow$

$\mathrm{N}^{=}(\lambda x_1 : \ x_1, \geq (\mathrm{medium}, \mathrm{size}), 2, \mathcal{X})$

Two cones of at least medium size



$\mathrm{contact} \rightarrow$

$= (x_1, x_2, \mathrm{contact}) \rightarrow$

$\wedge(\wedge(= (x_1, \mathrm{green}, \mathrm{colour}), = (x_2, \mathrm{green}, \mathrm{colour})), = (x_1, x_2, \mathrm{contact})\ ) \rightarrow$

$\exists(\lambda x_1 : \ \exists(\lambda x_2 : \quad \wedge\ (\wedge(= (x_1, \mathrm{green}, \mathrm{colour}), = (x_2, \mathrm{green}, \mathrm{colour})),$

$= (x_1, x_2, \mathrm{contact})), \mathcal{X}), \mathcal{X})$

Two green cones touch