

Luc
Devroye

Maarten
Löffler

Jit
Bose

$\delta >$

$\frac{\pi}{2}$

Jack

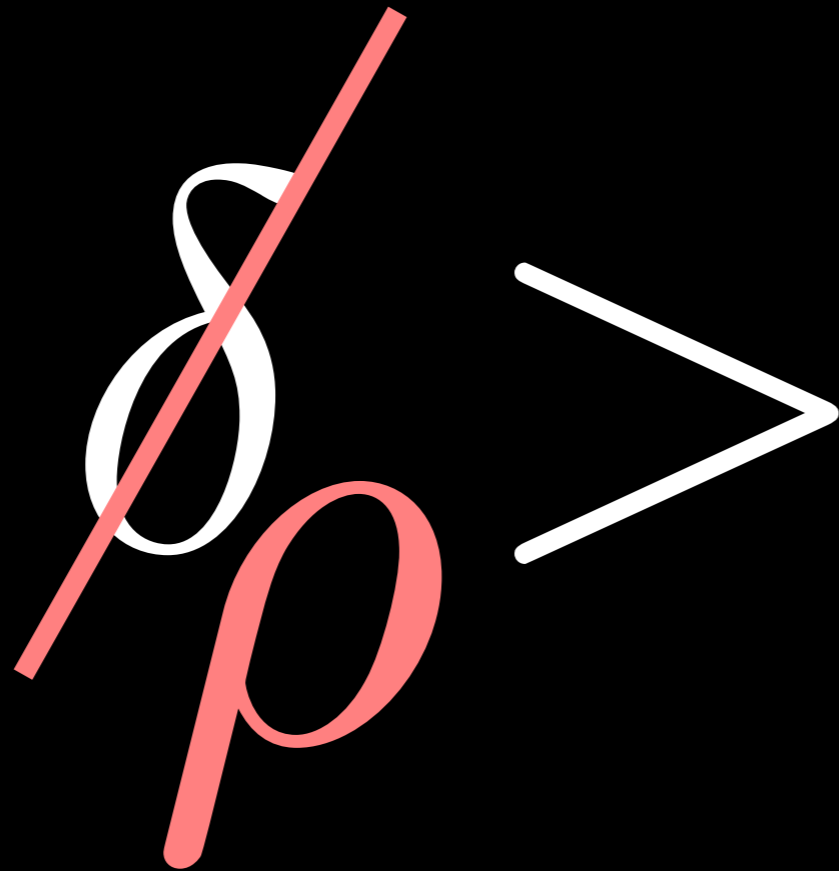
Vishal
Verma

Snoeyink

Luc
Devroye

Maarten
Löffler

Jit
Bose

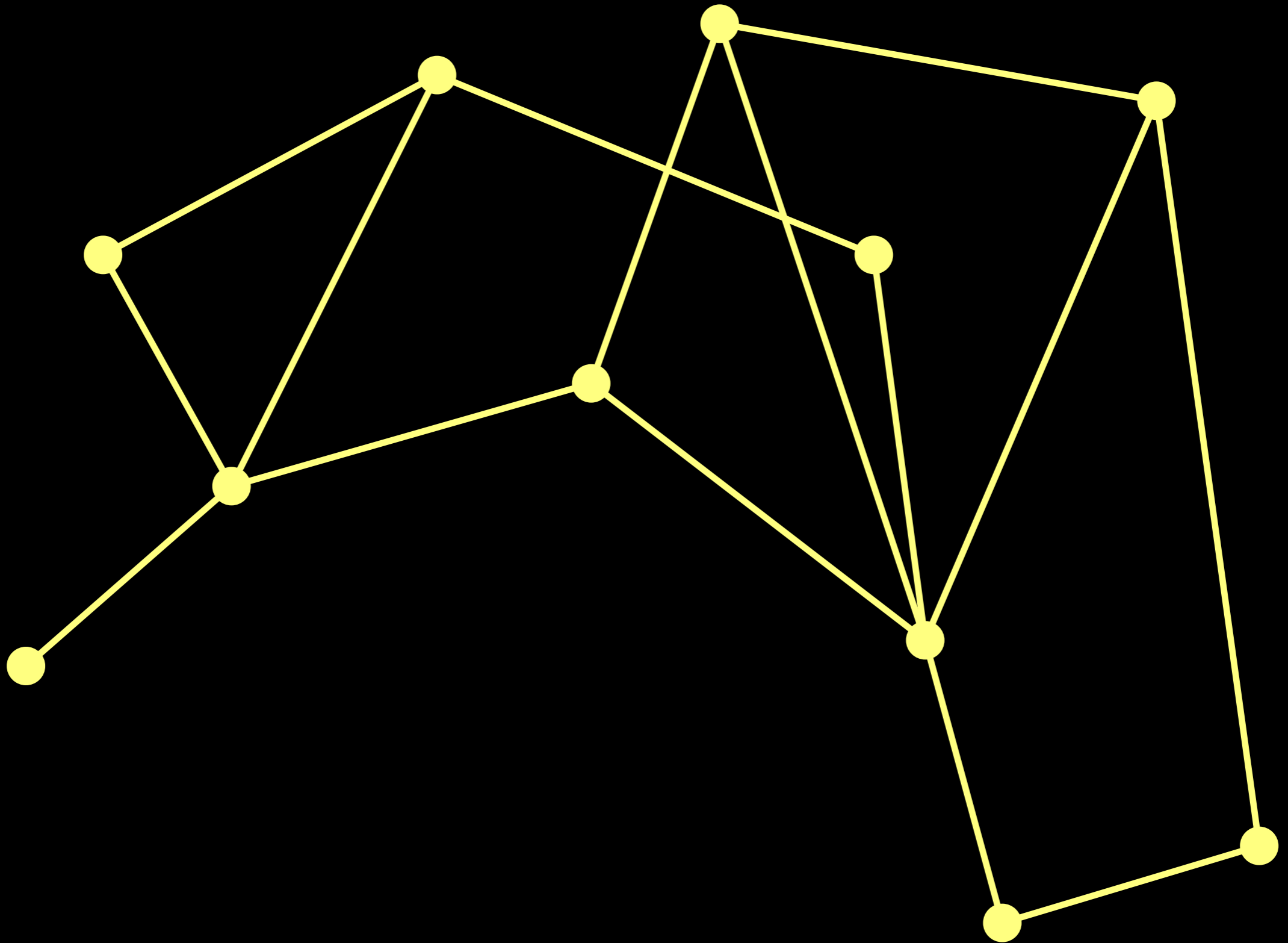


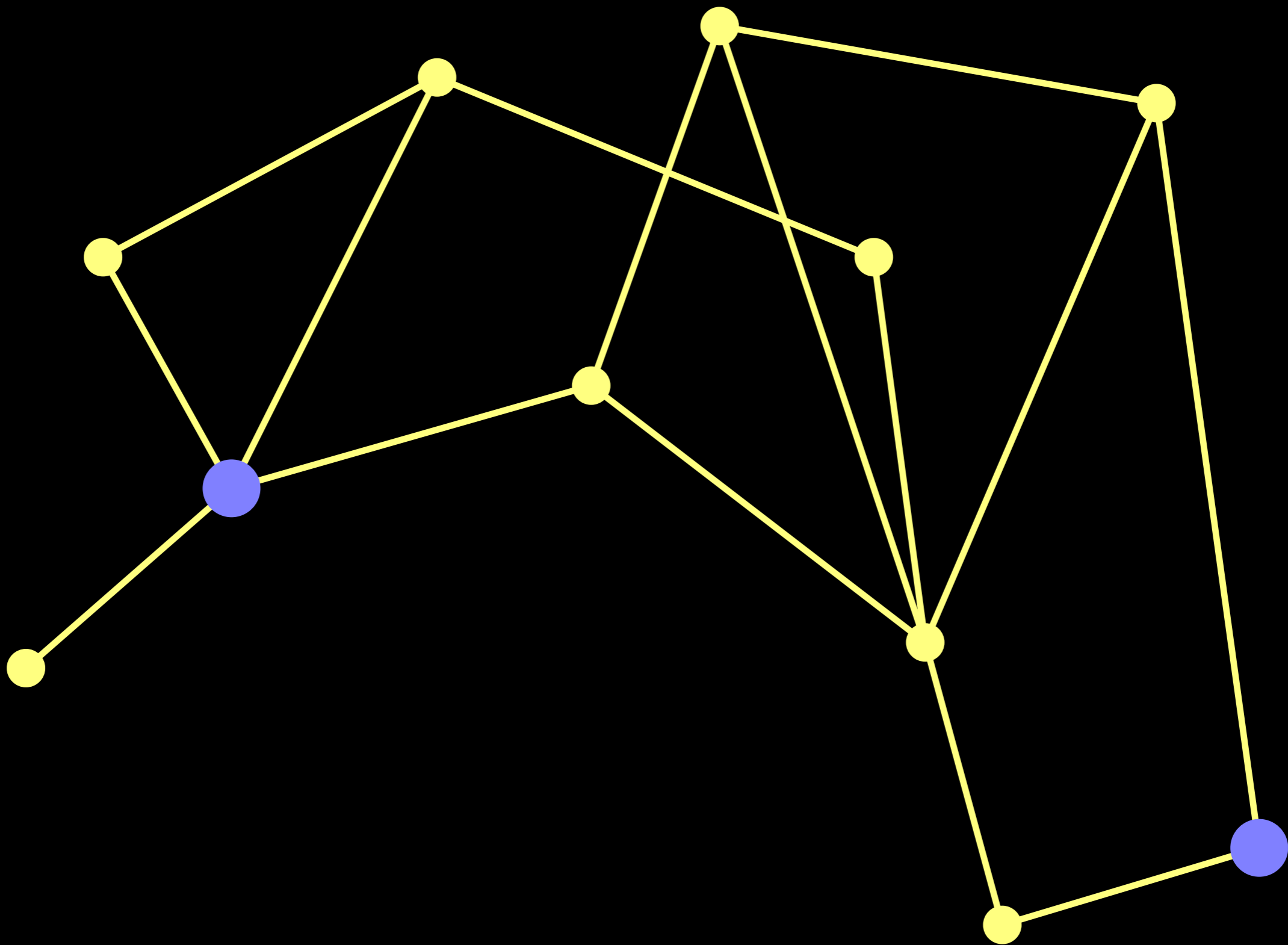
$\frac{\pi}{2}$

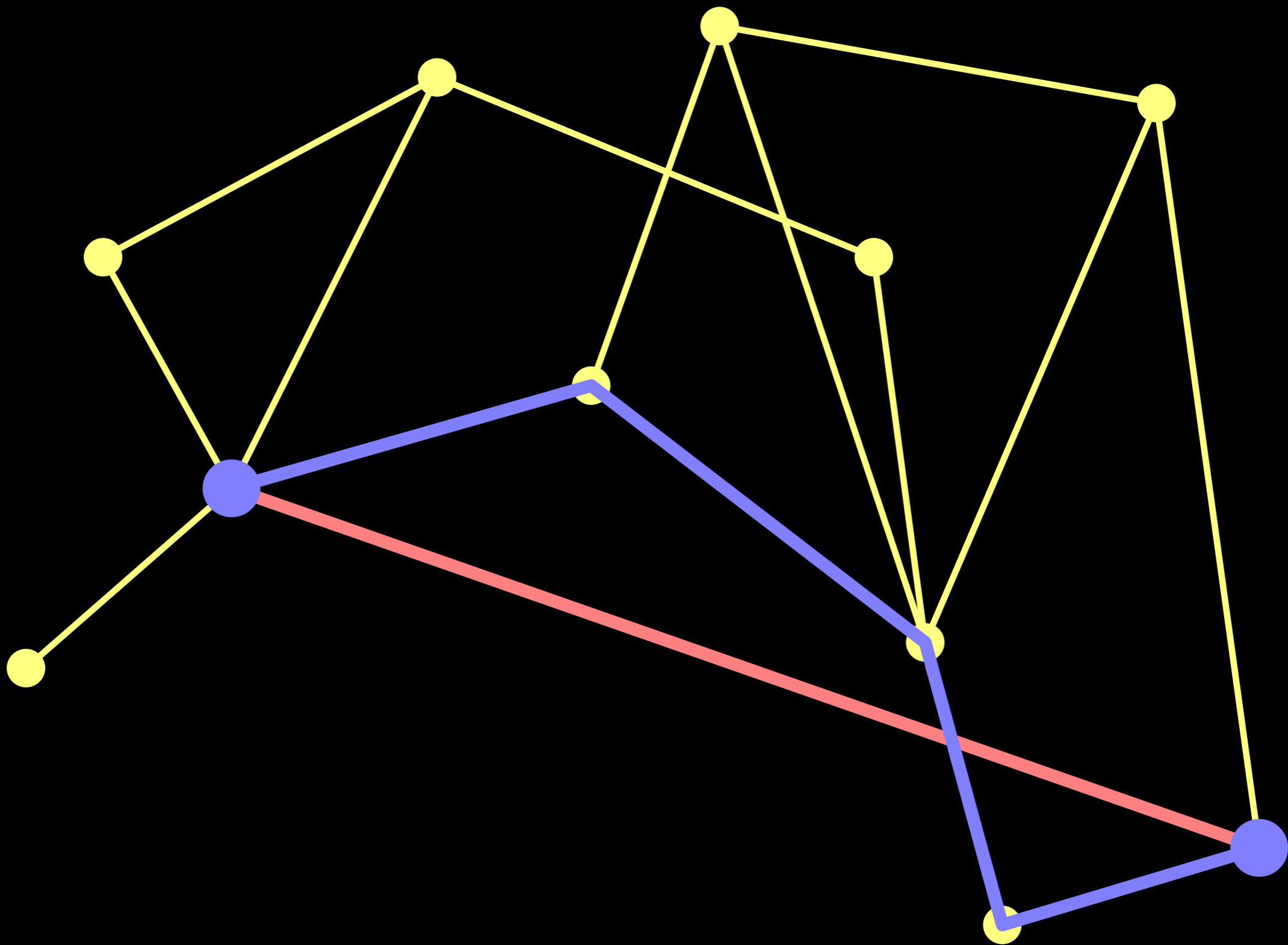
Jack

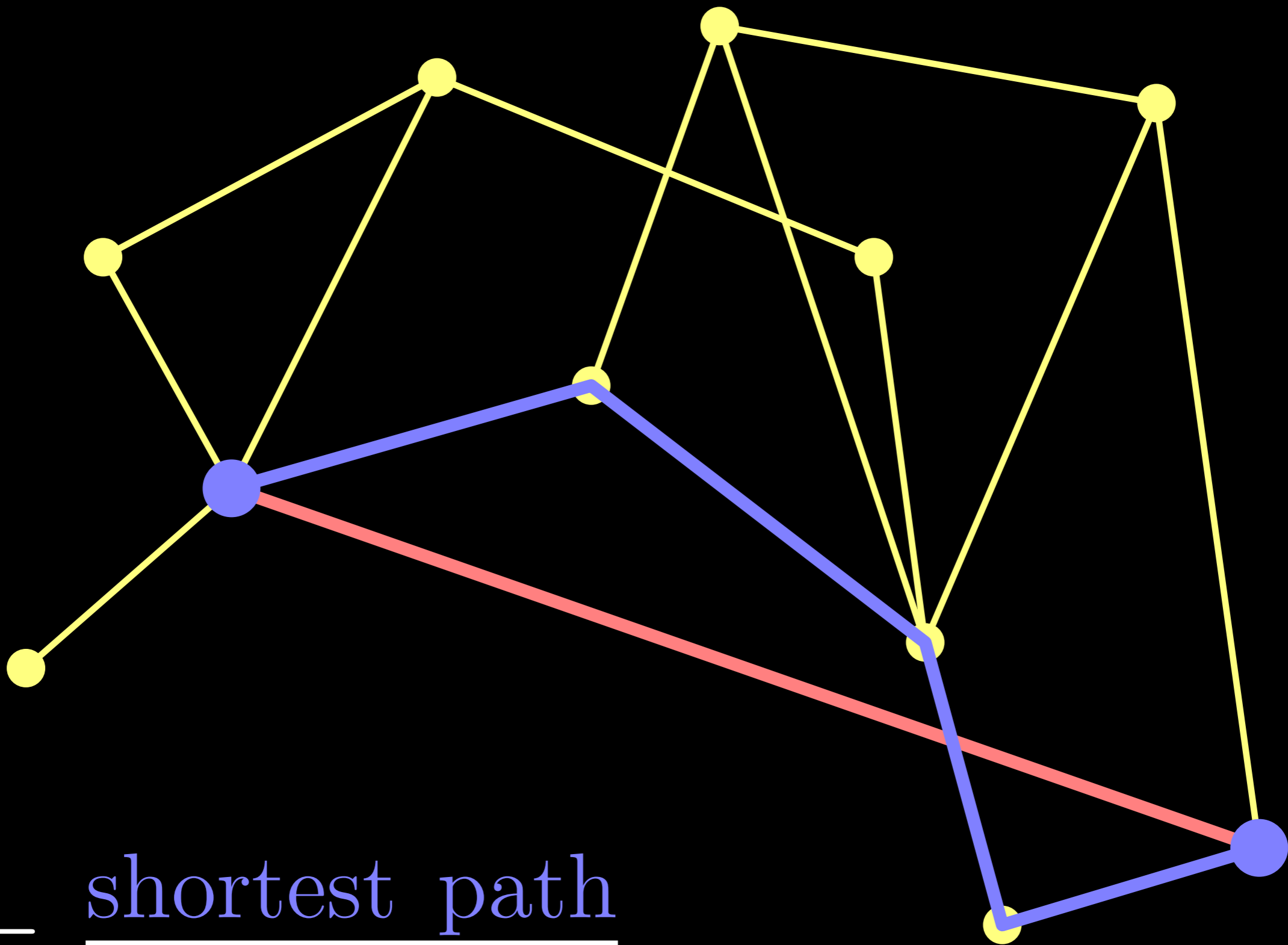
Snoeyink

Vishal
Verma

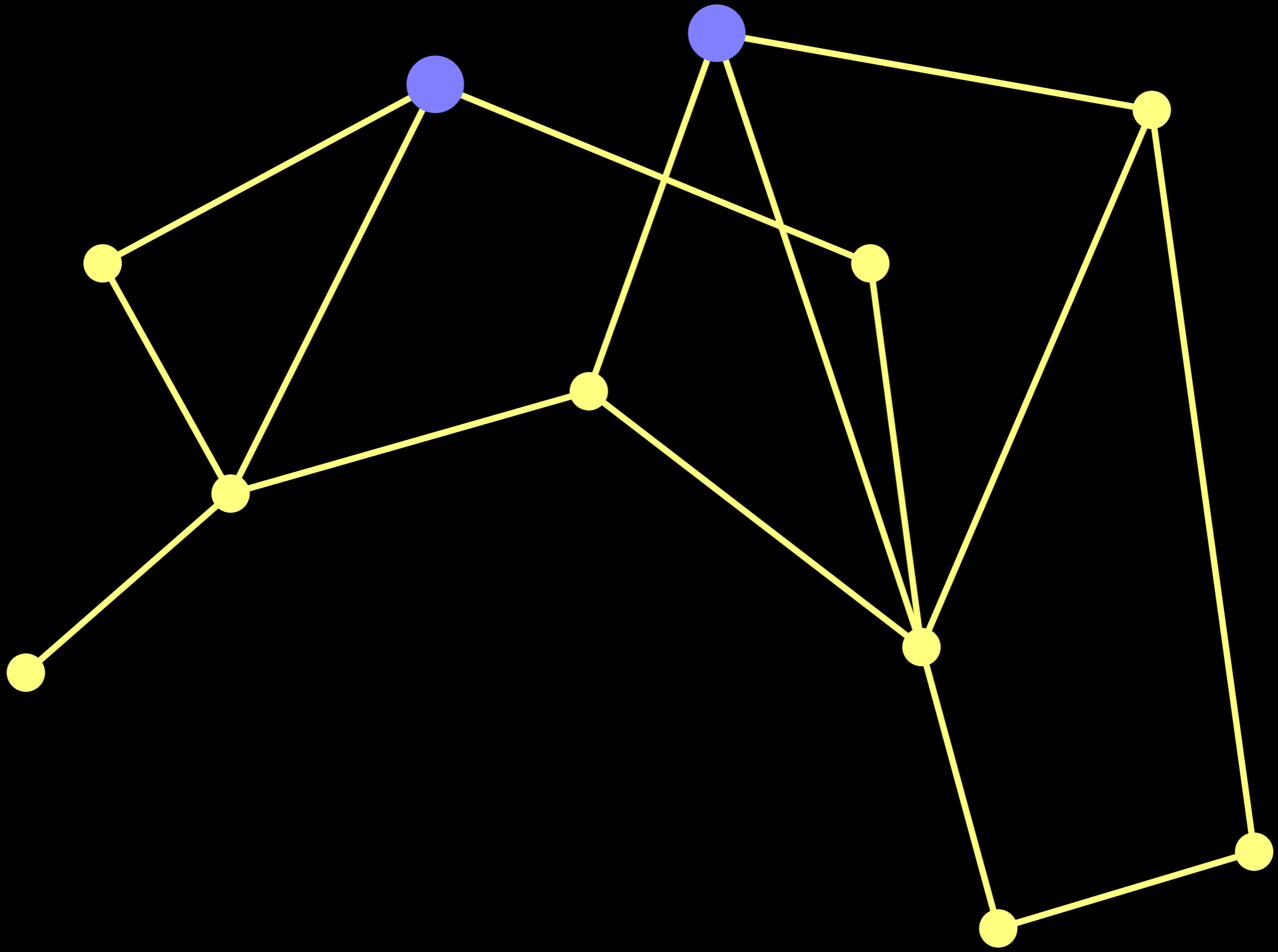


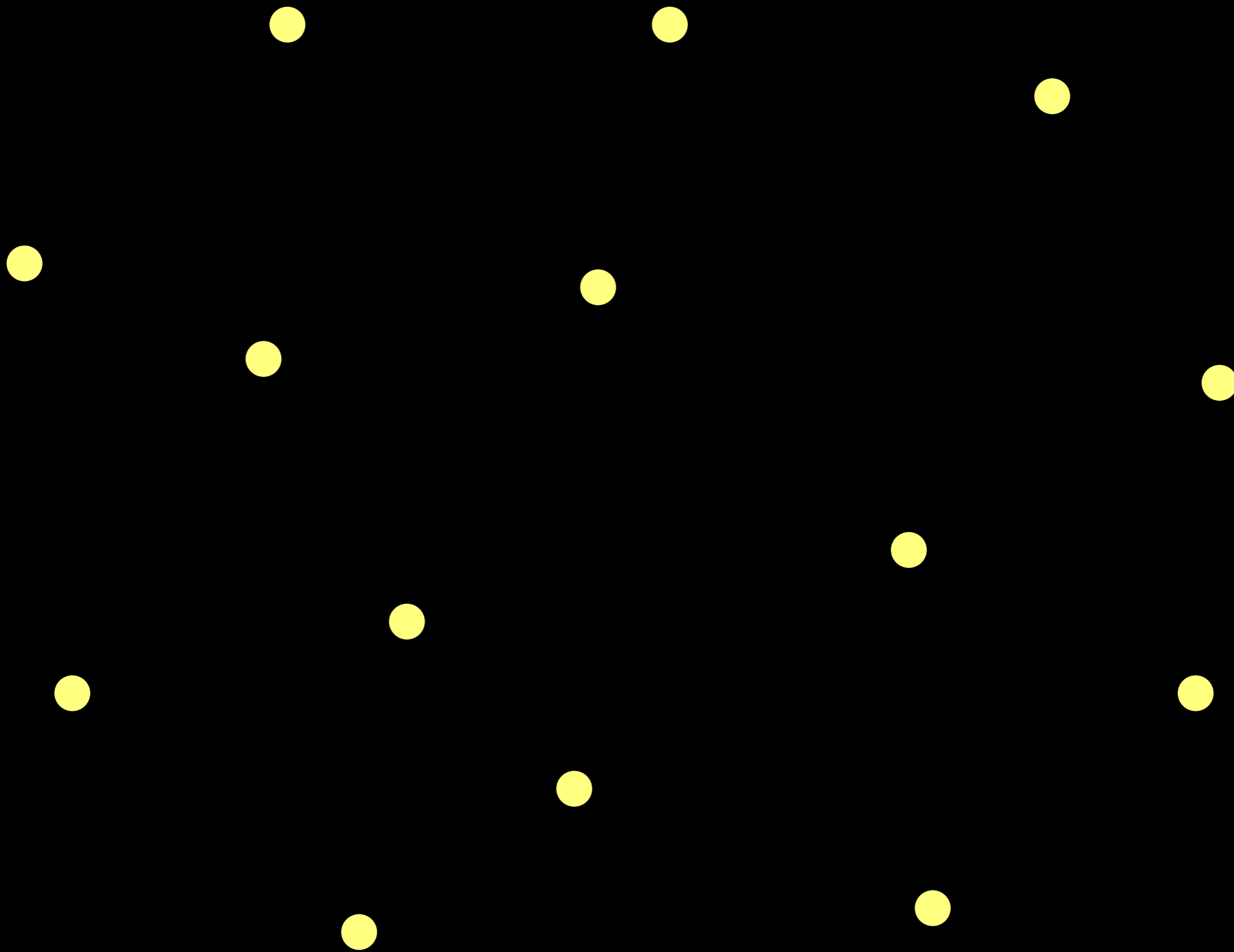


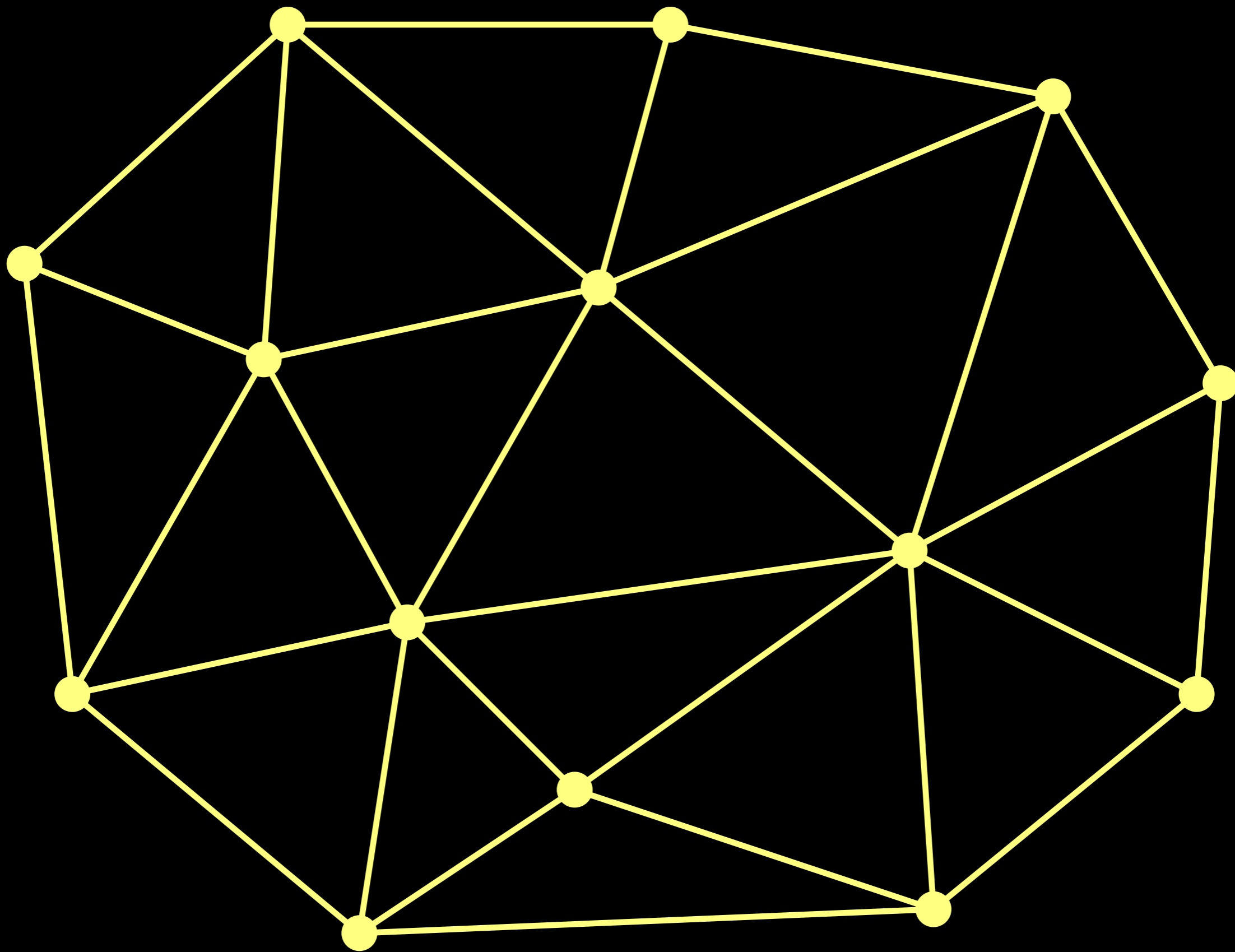


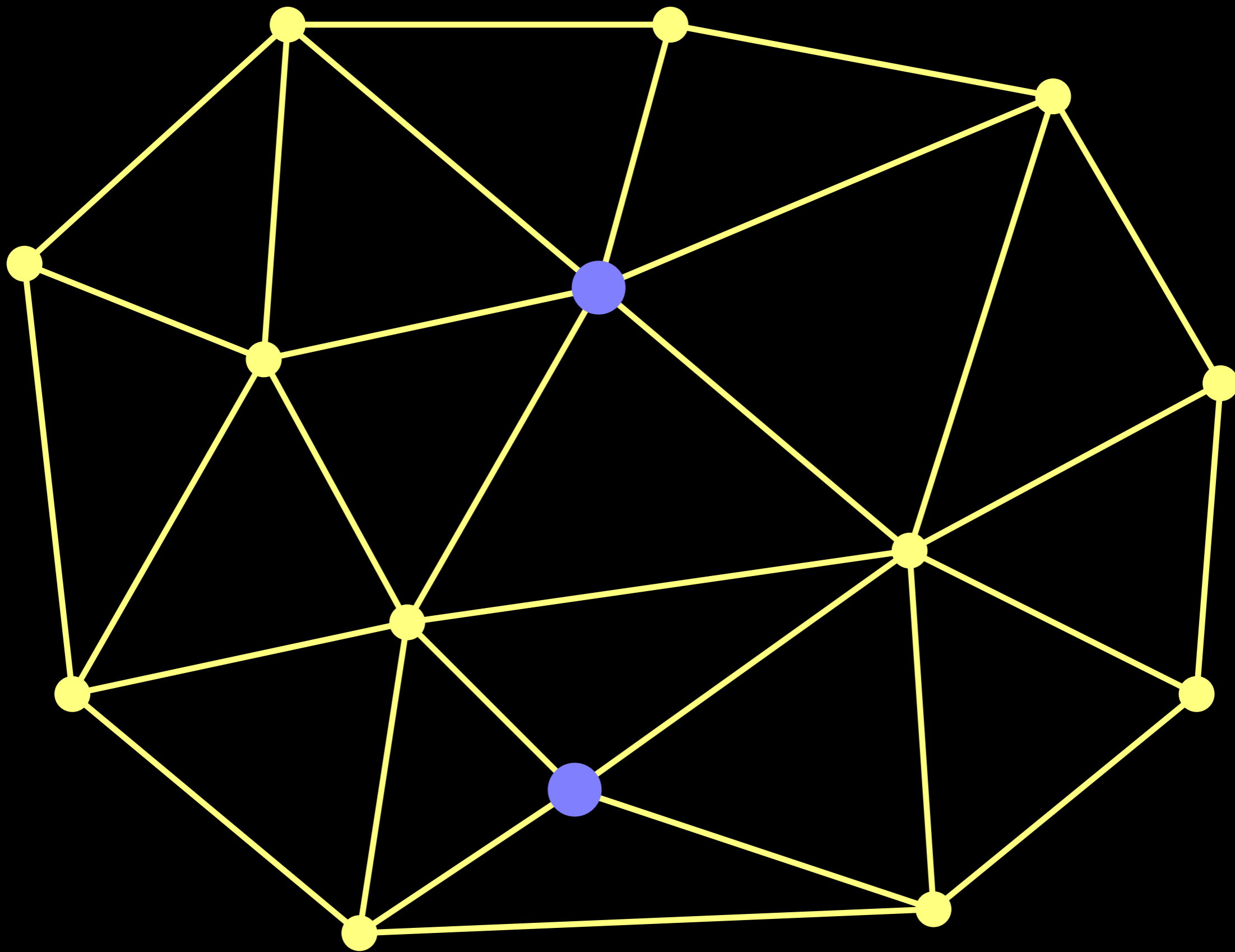


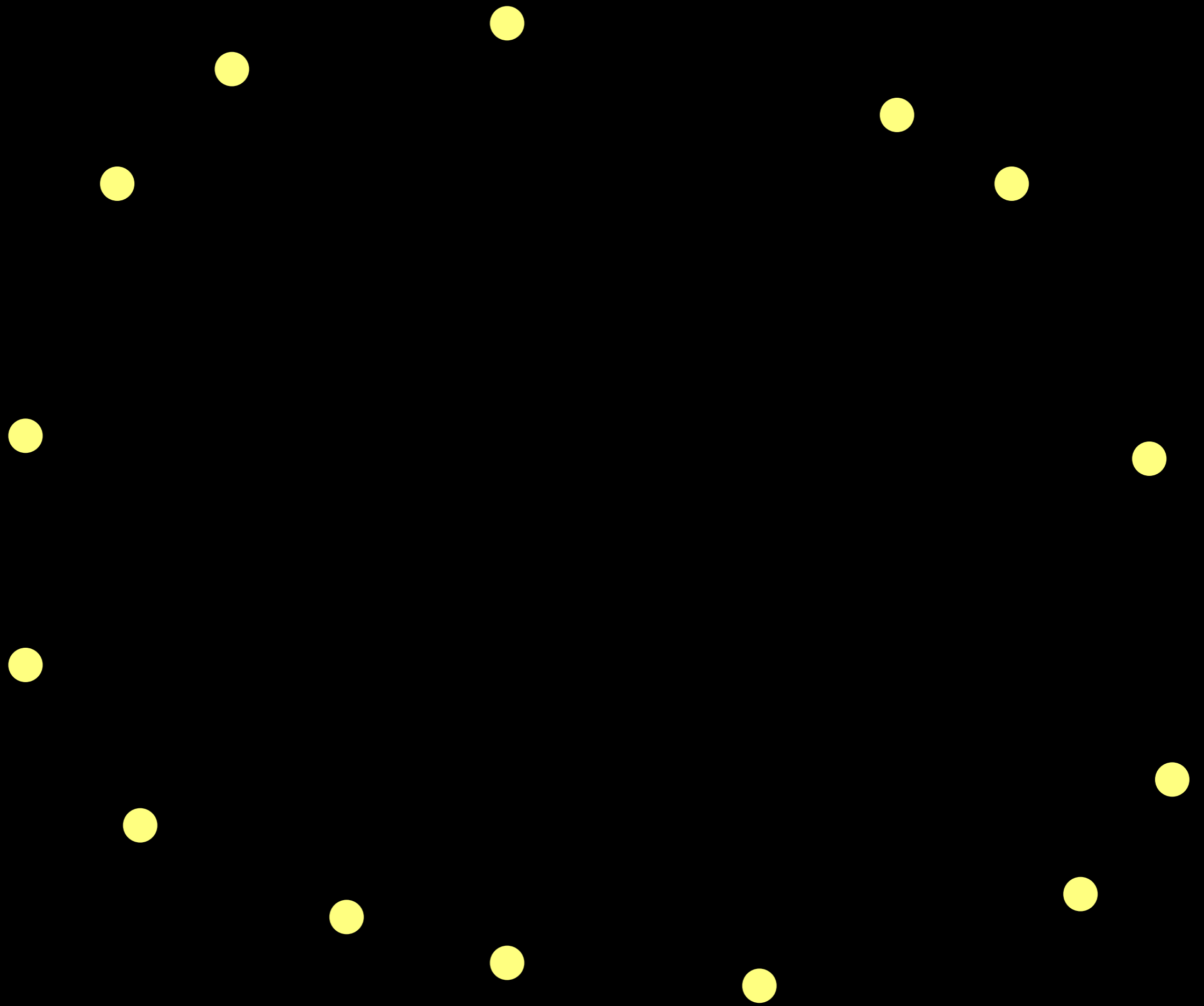
$$\delta = \frac{\text{shortest path}}{\text{straight line}}$$

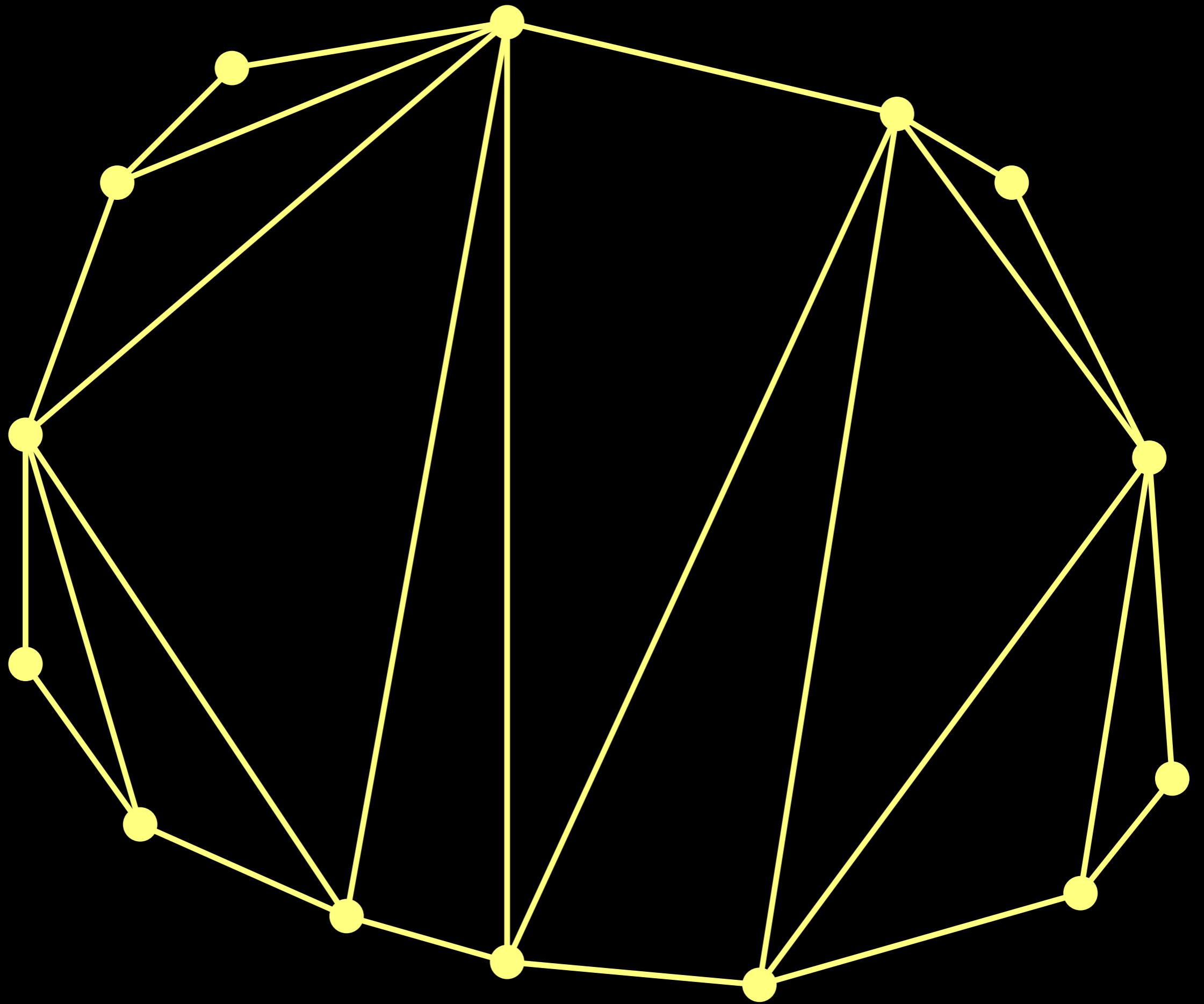


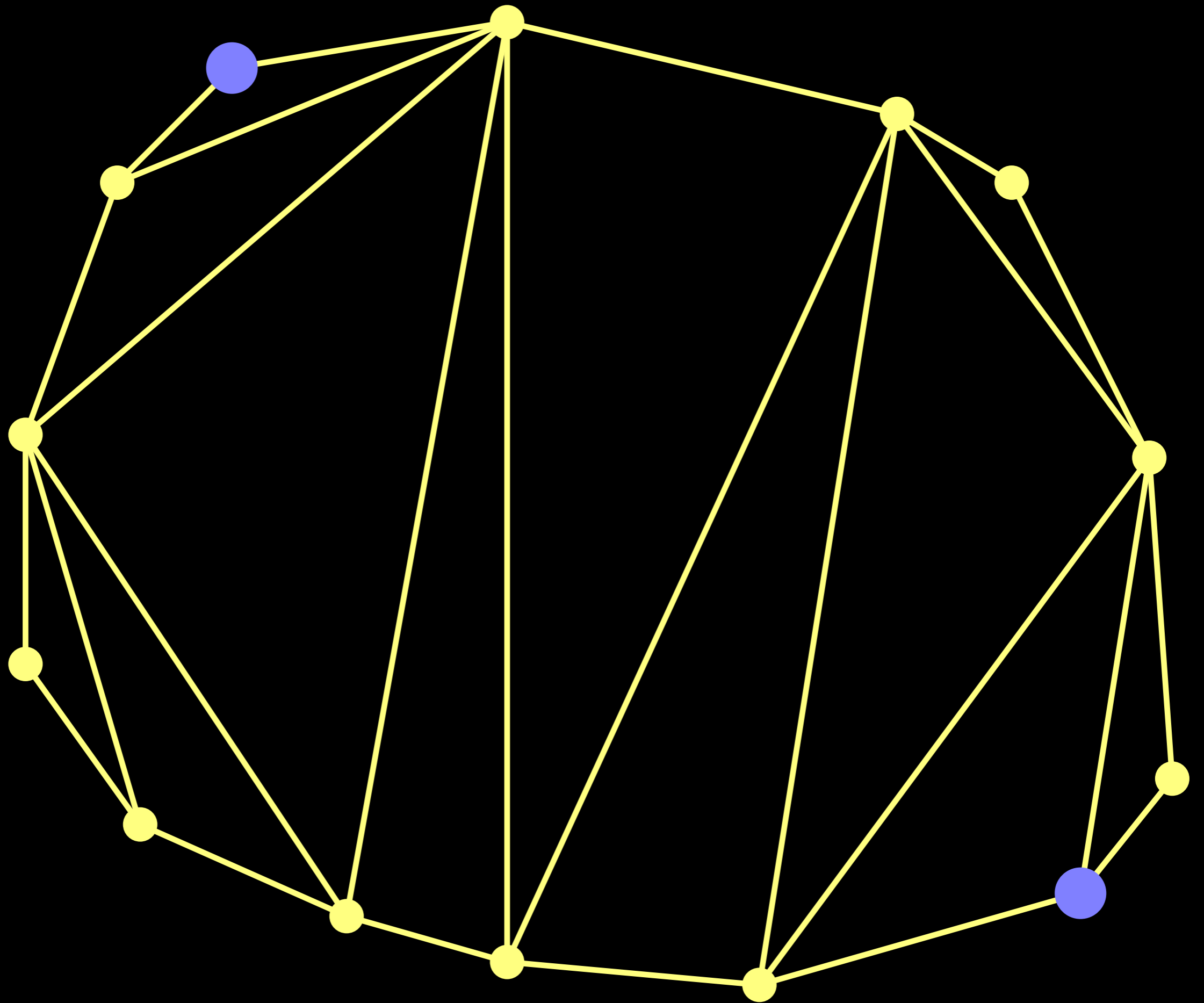


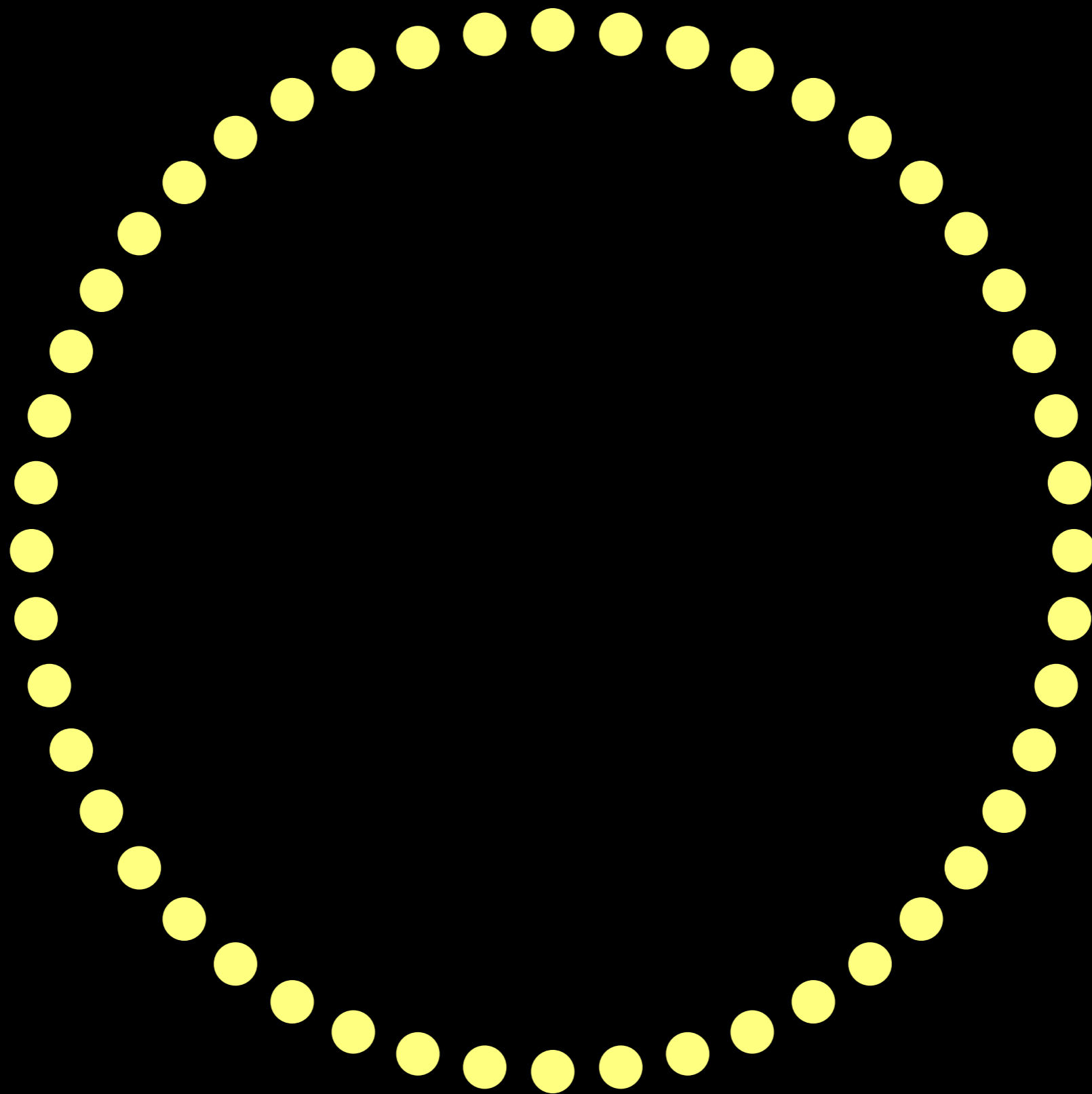


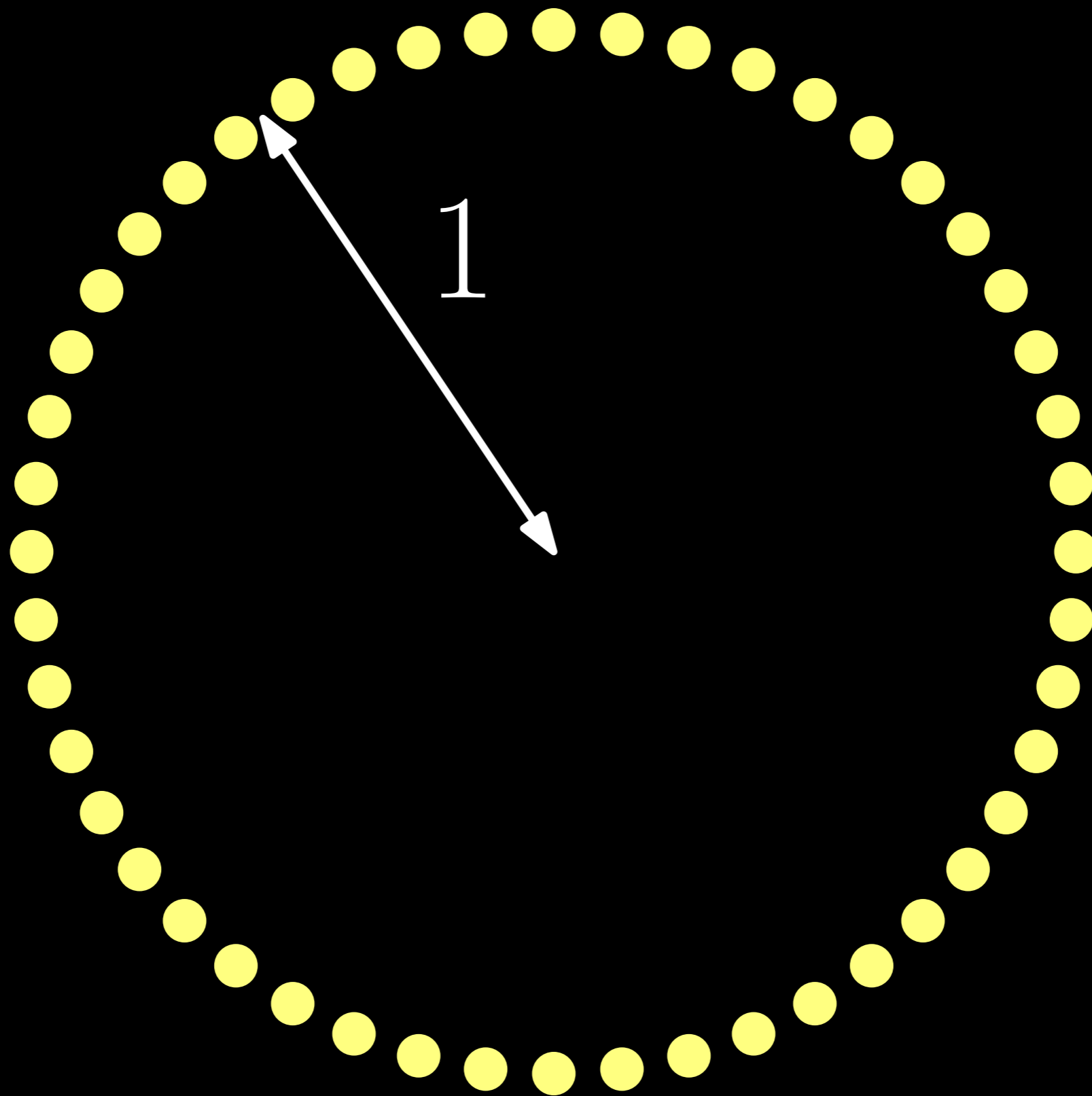


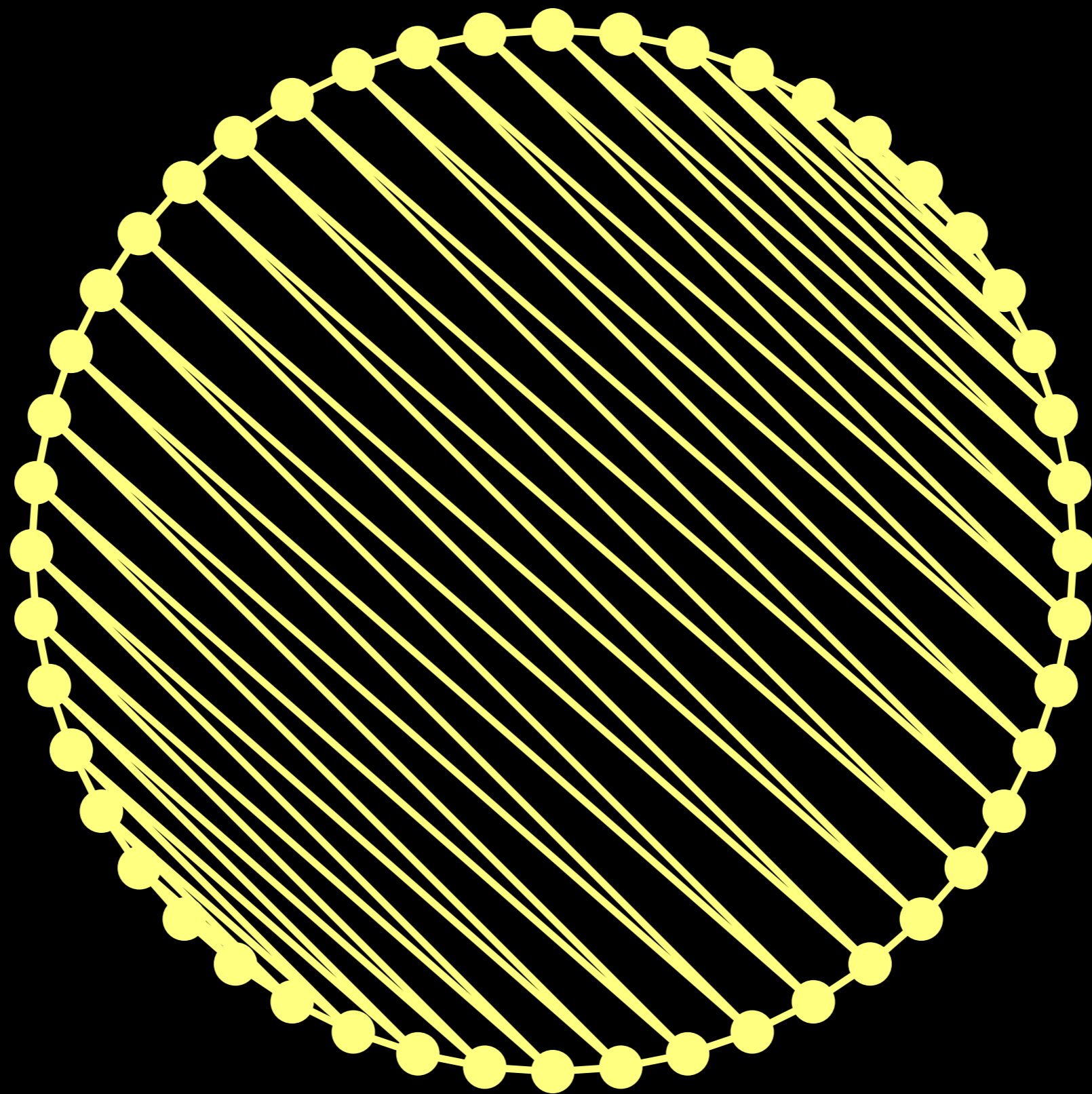


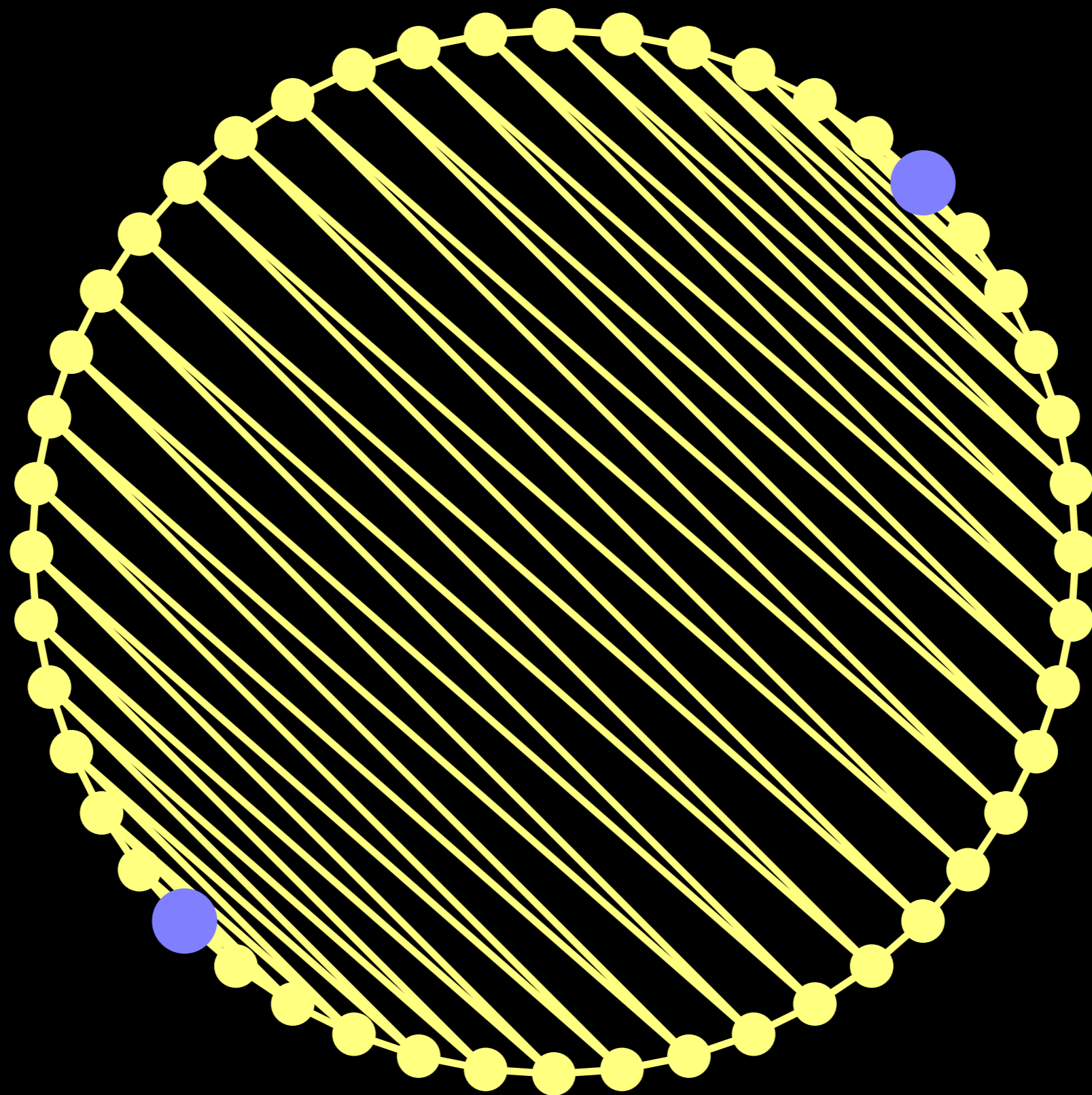


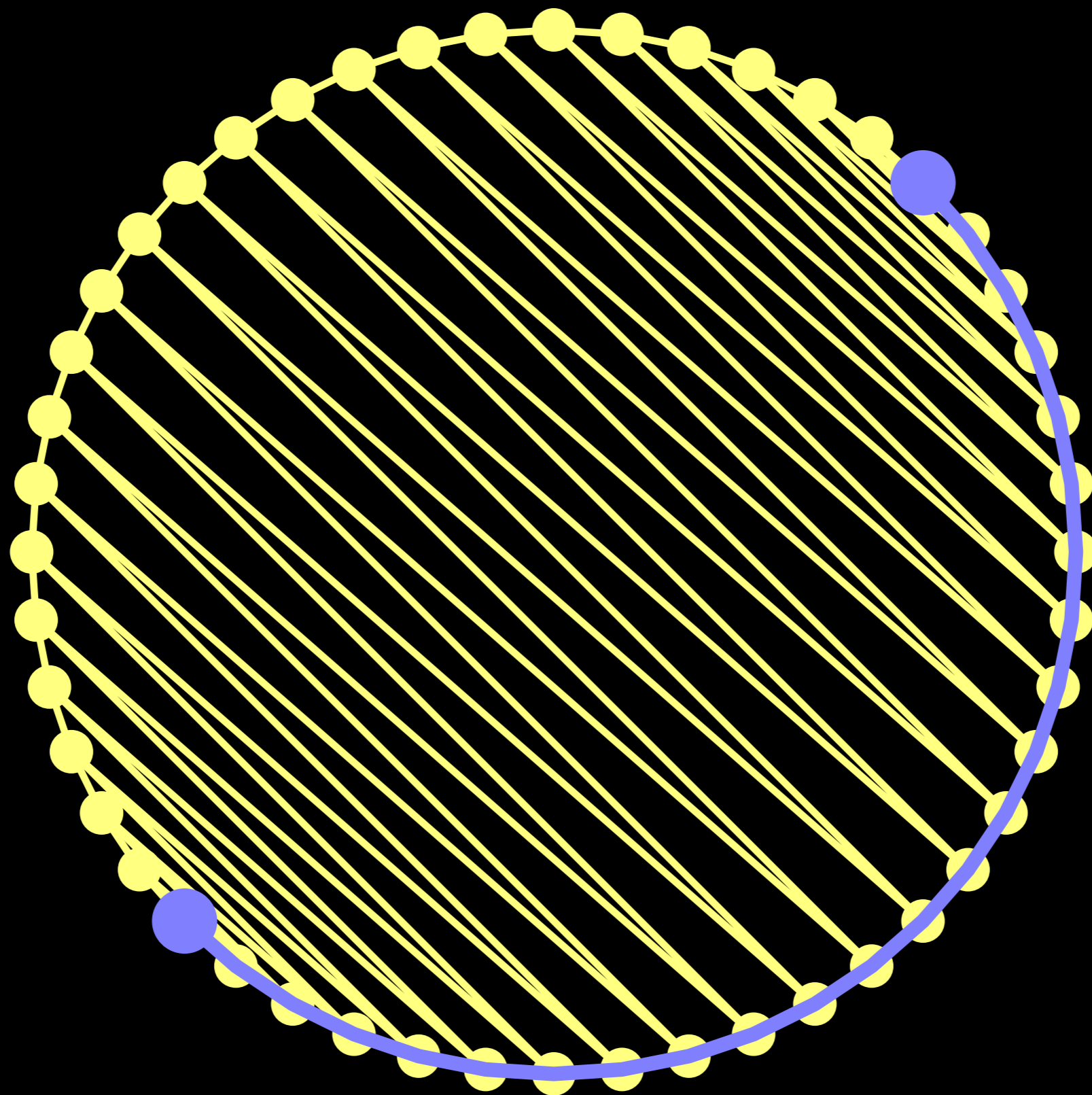


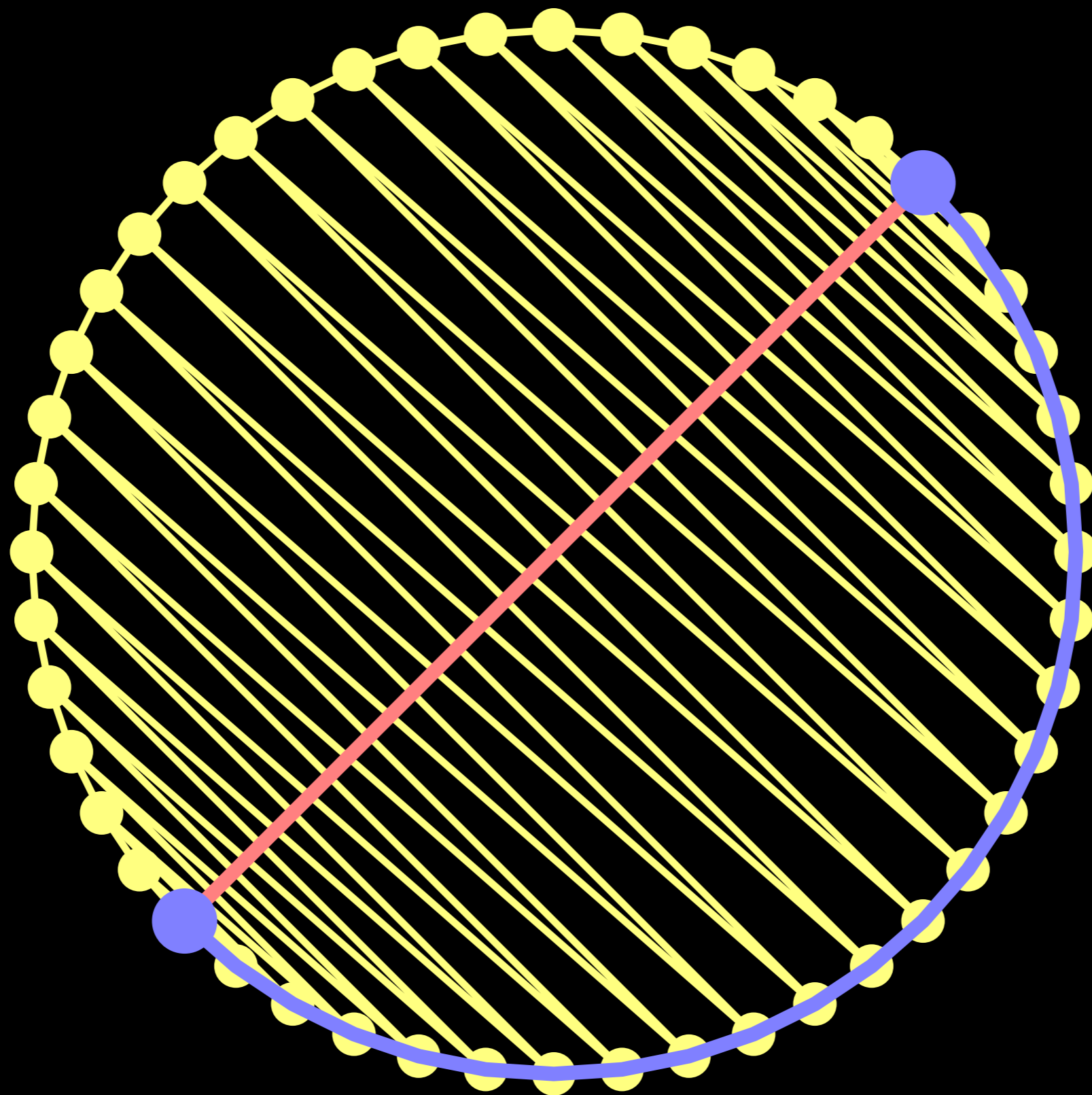


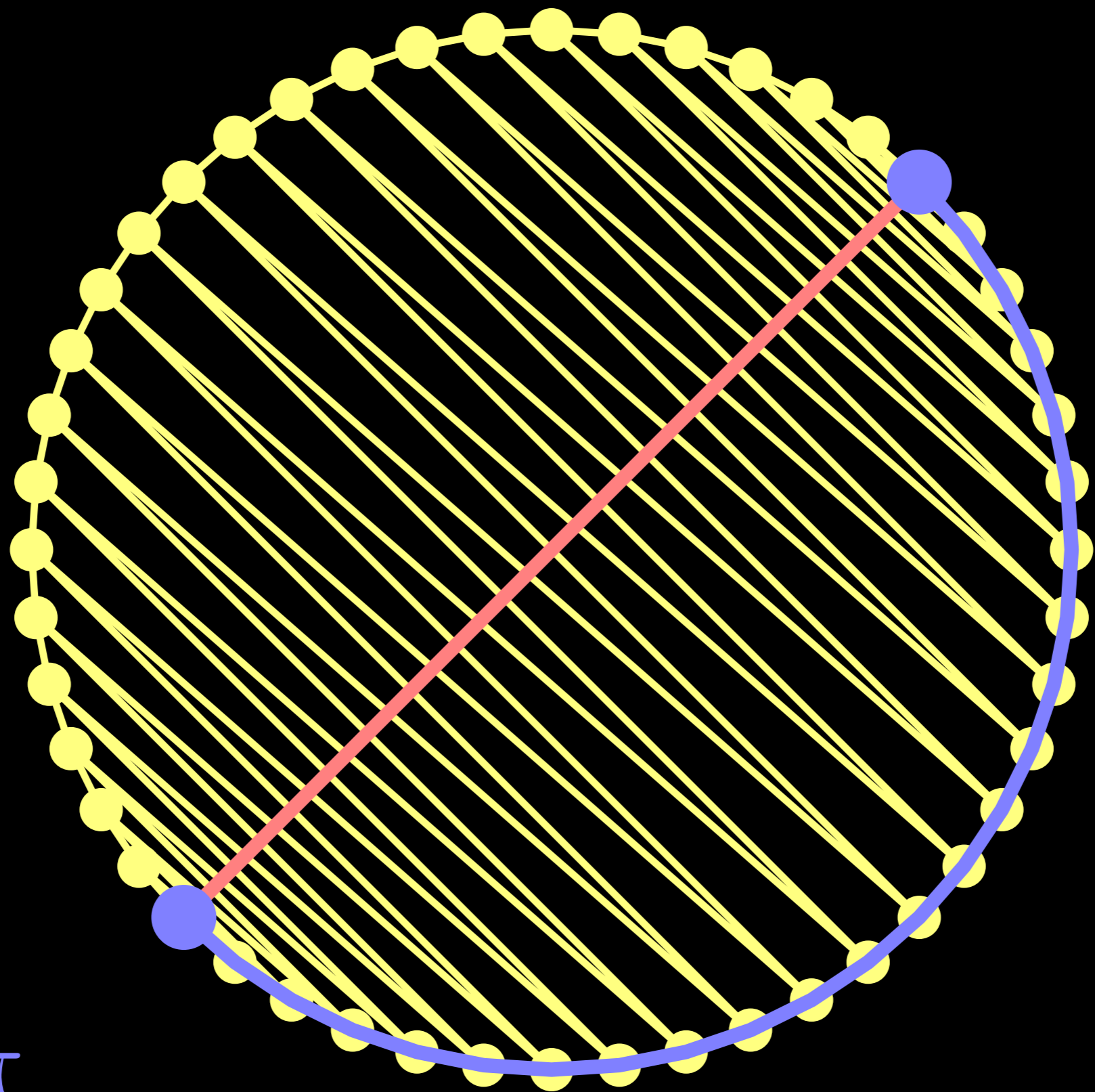




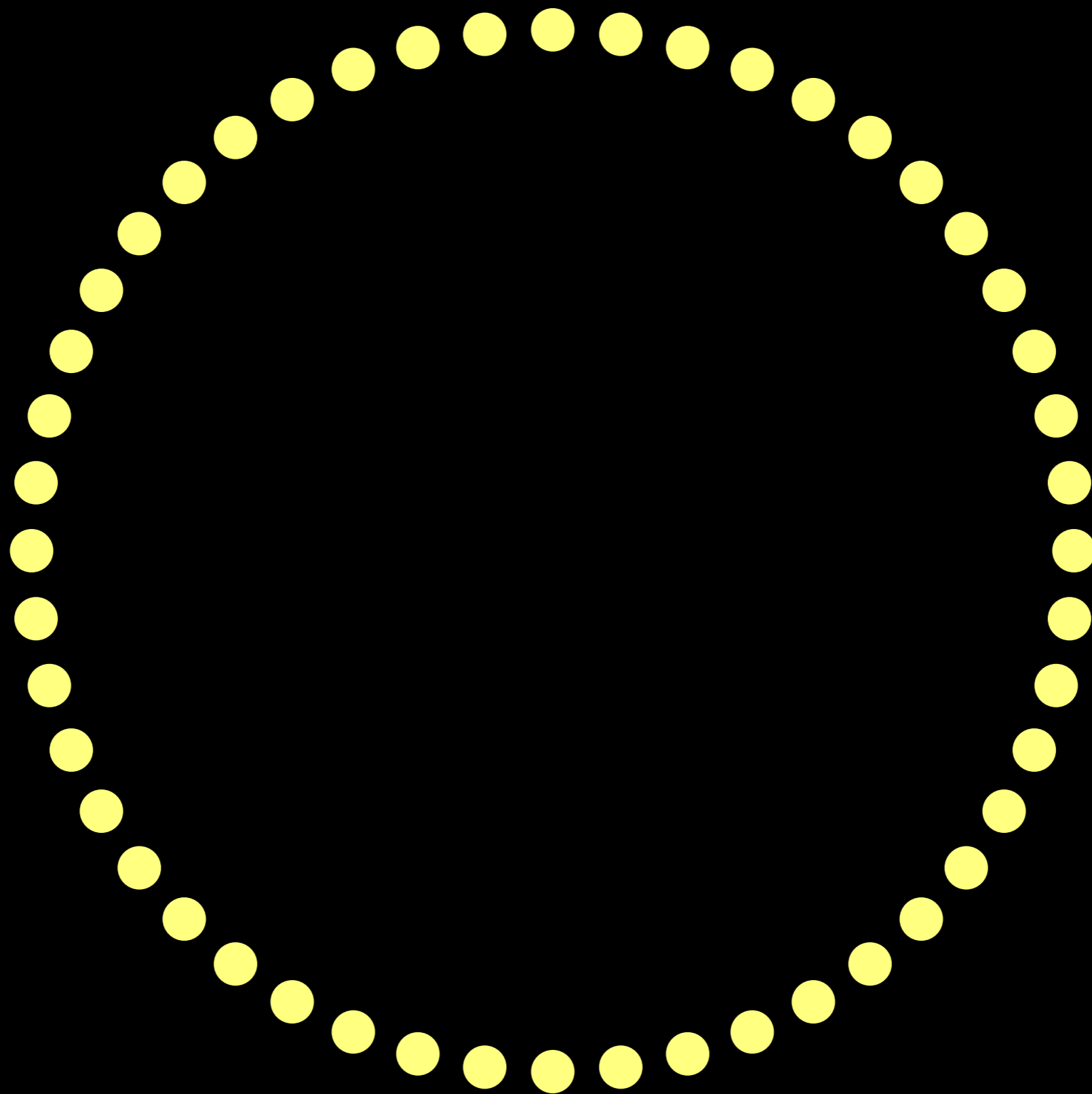


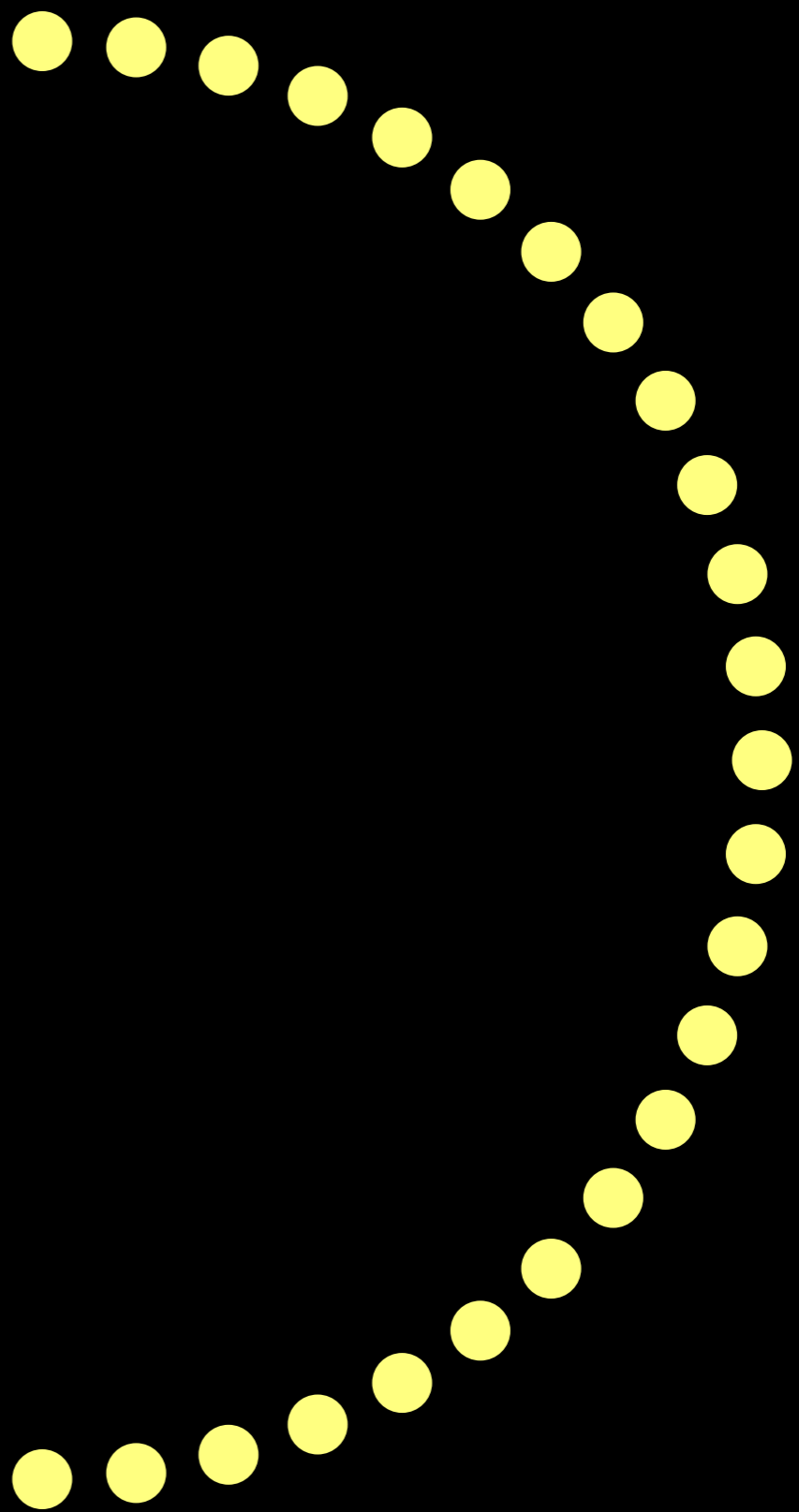
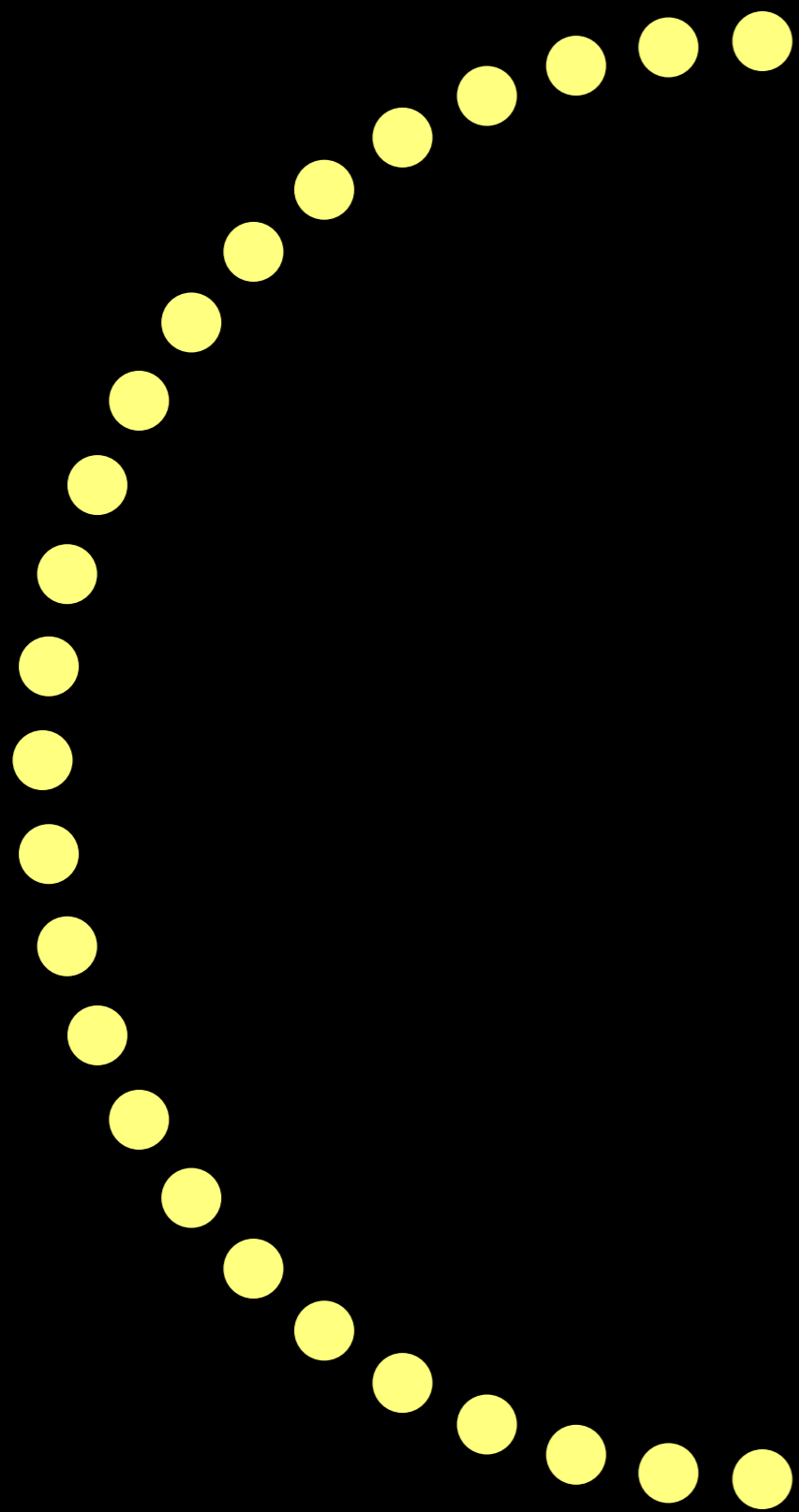


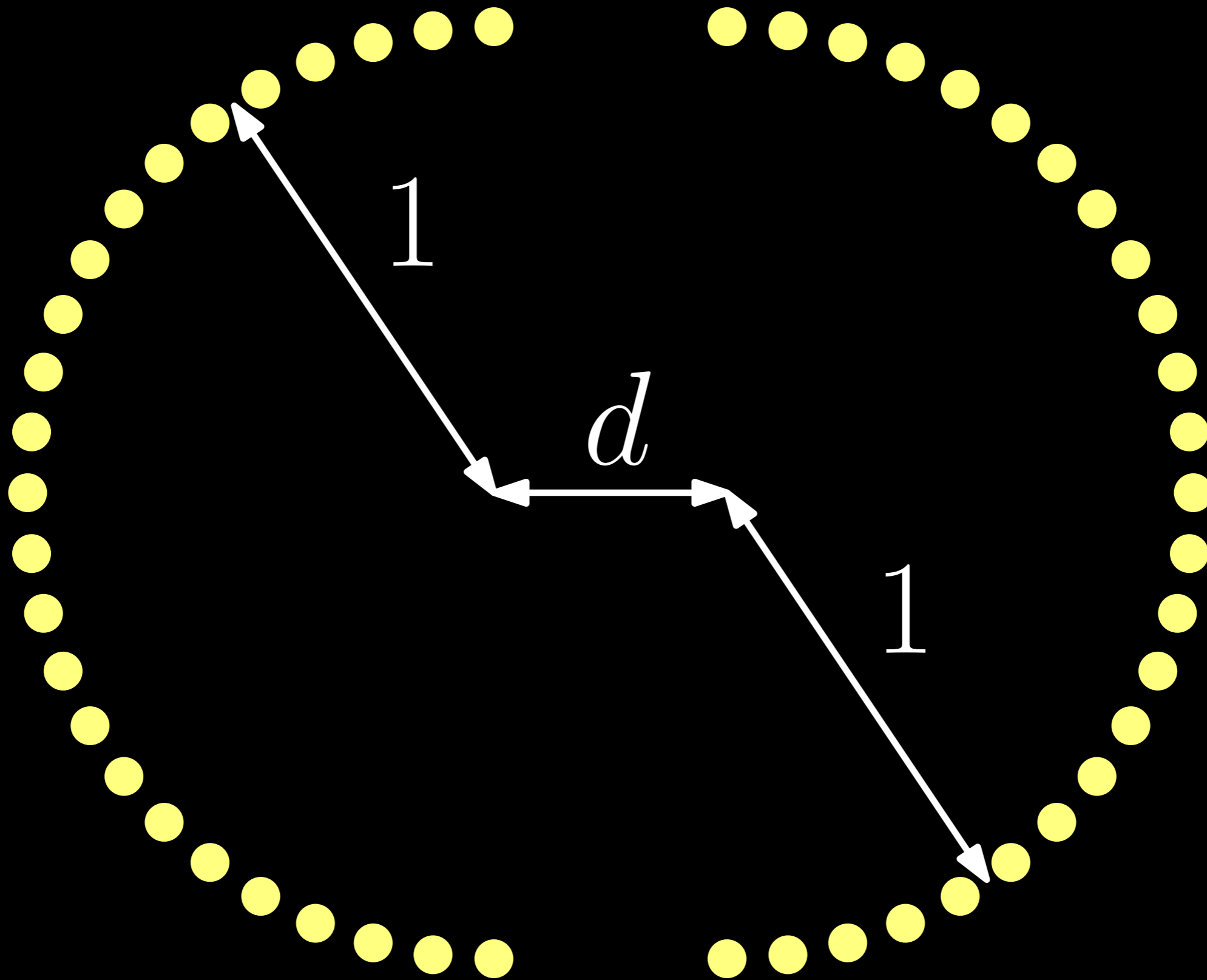


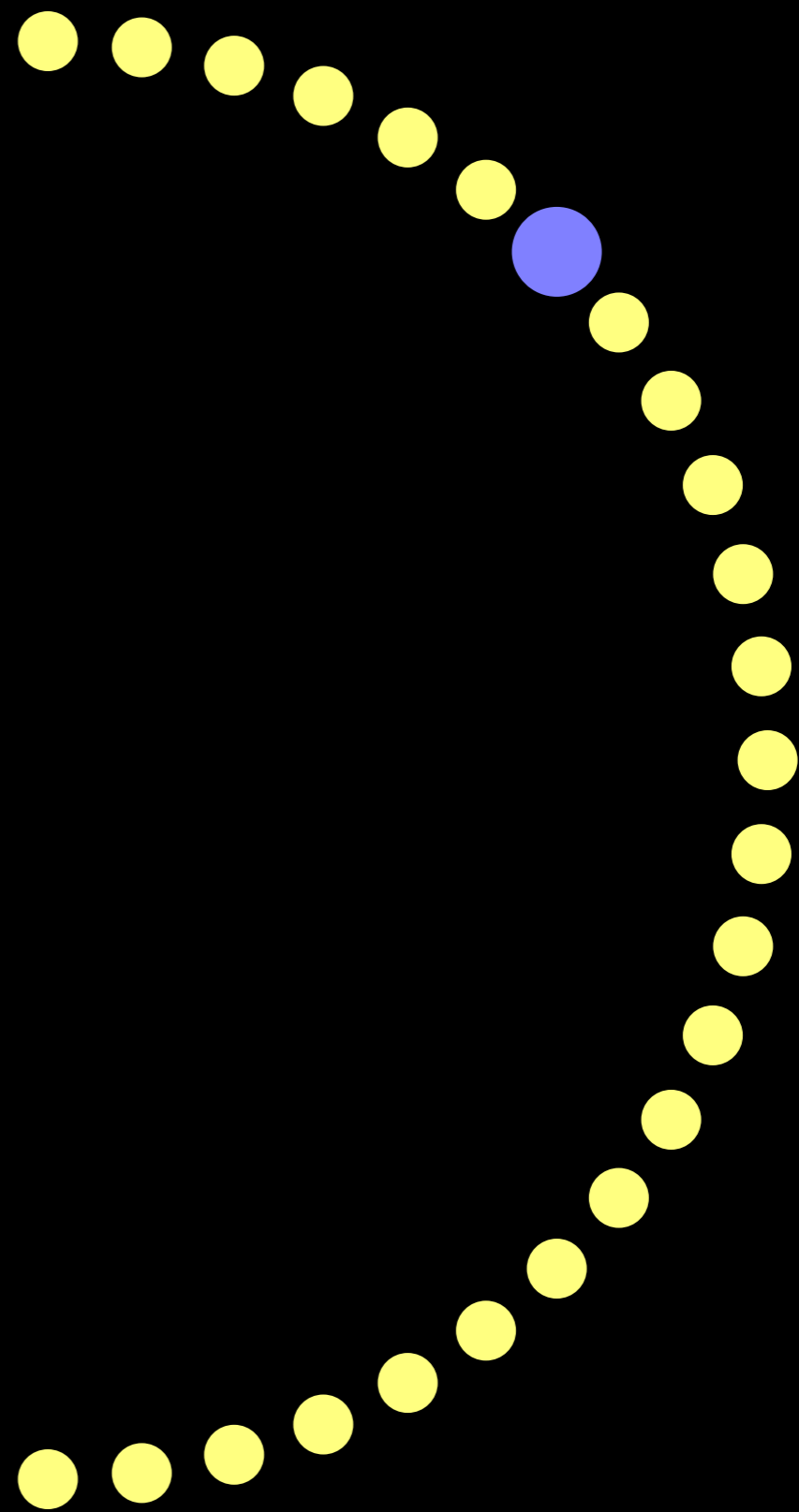
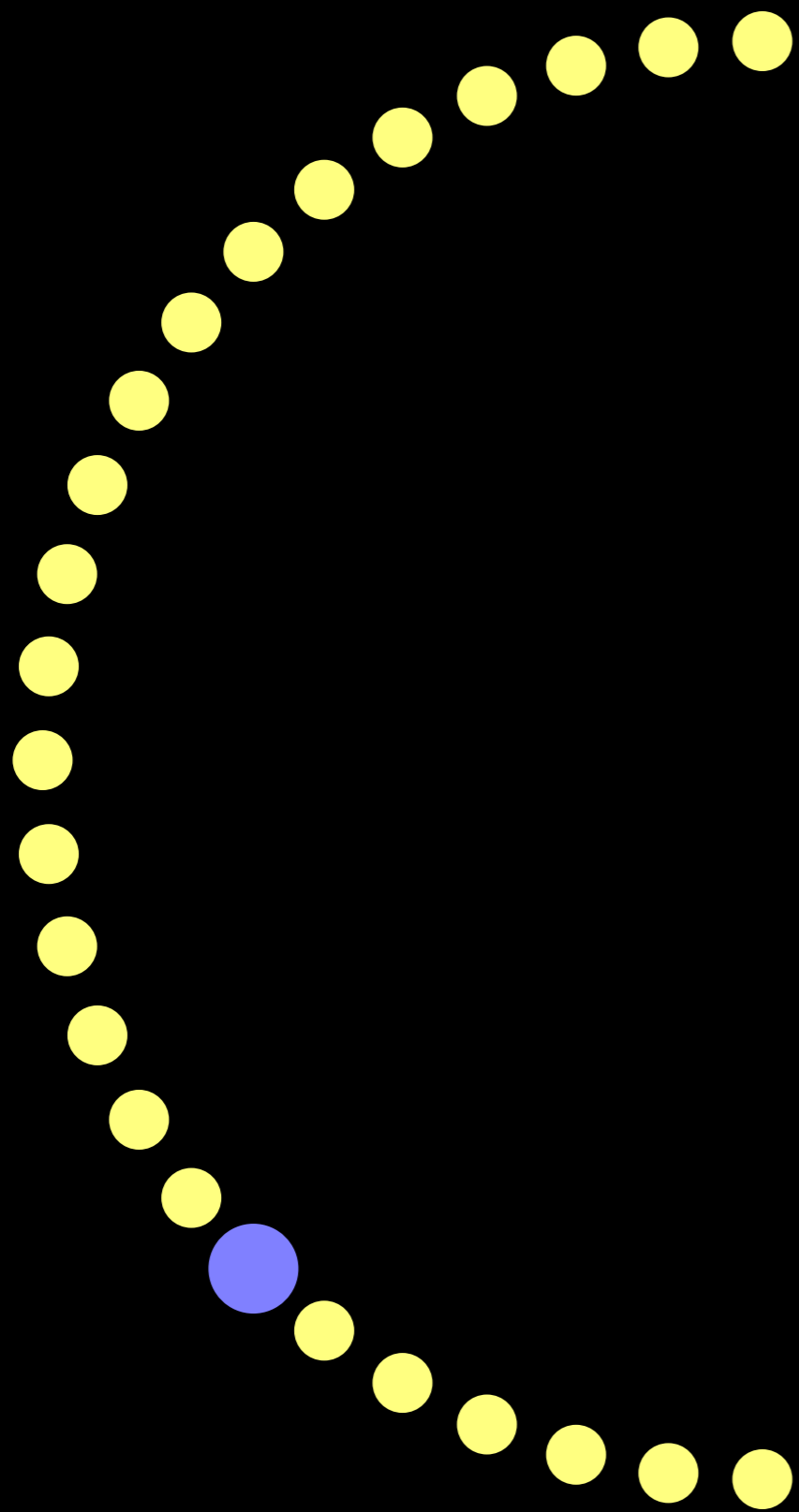


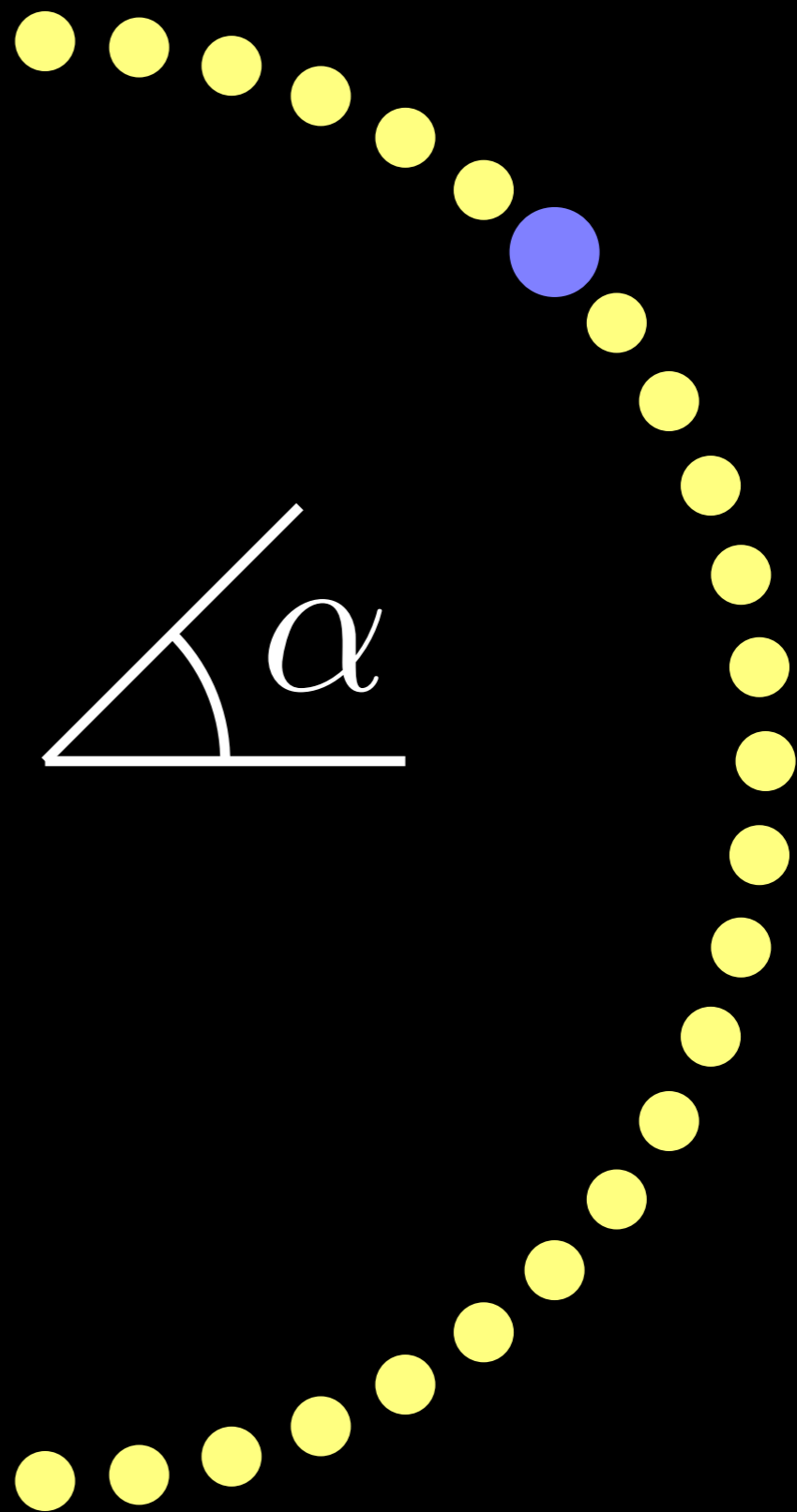
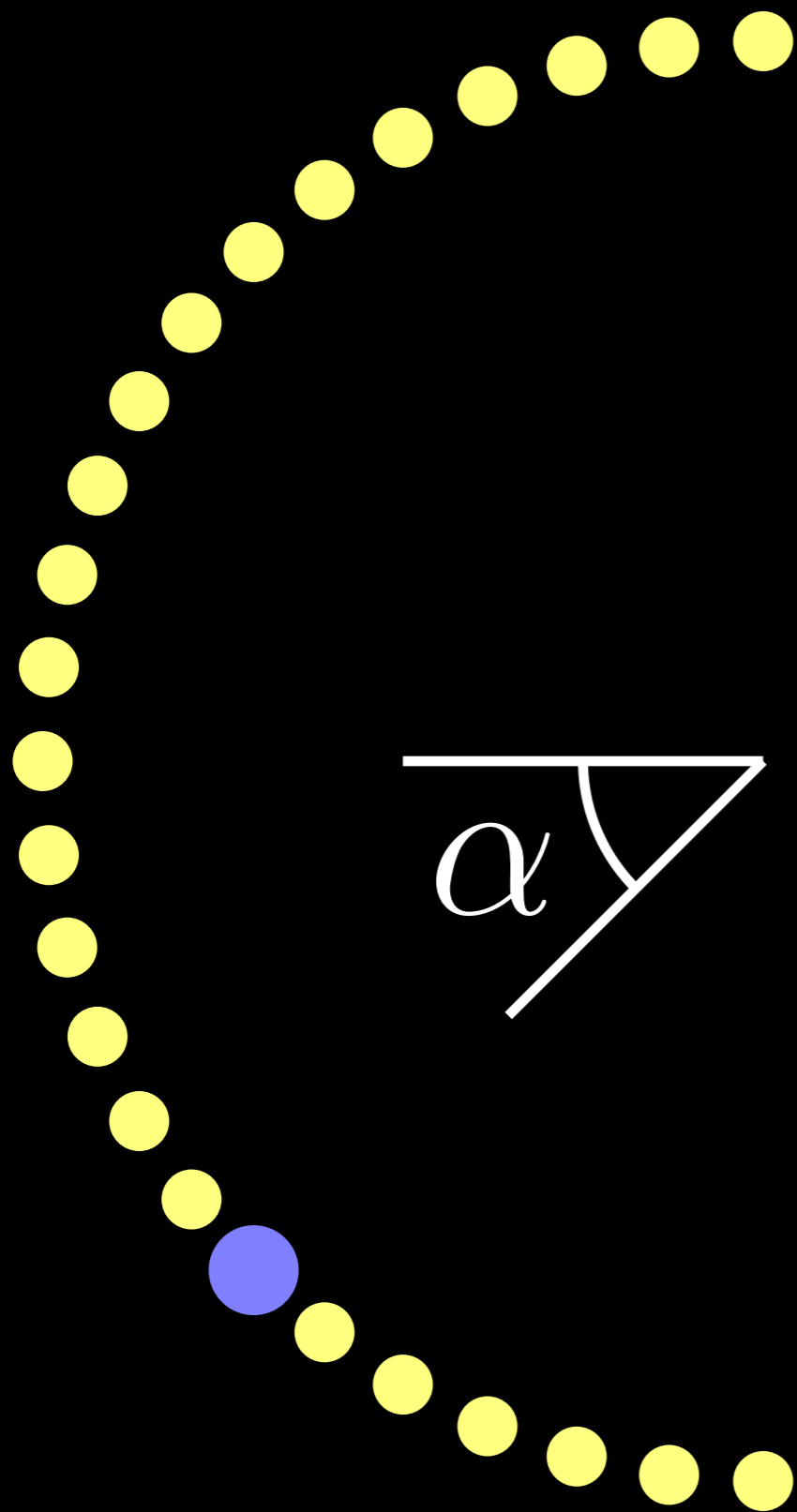
$$\delta \approx \frac{\pi}{2}$$

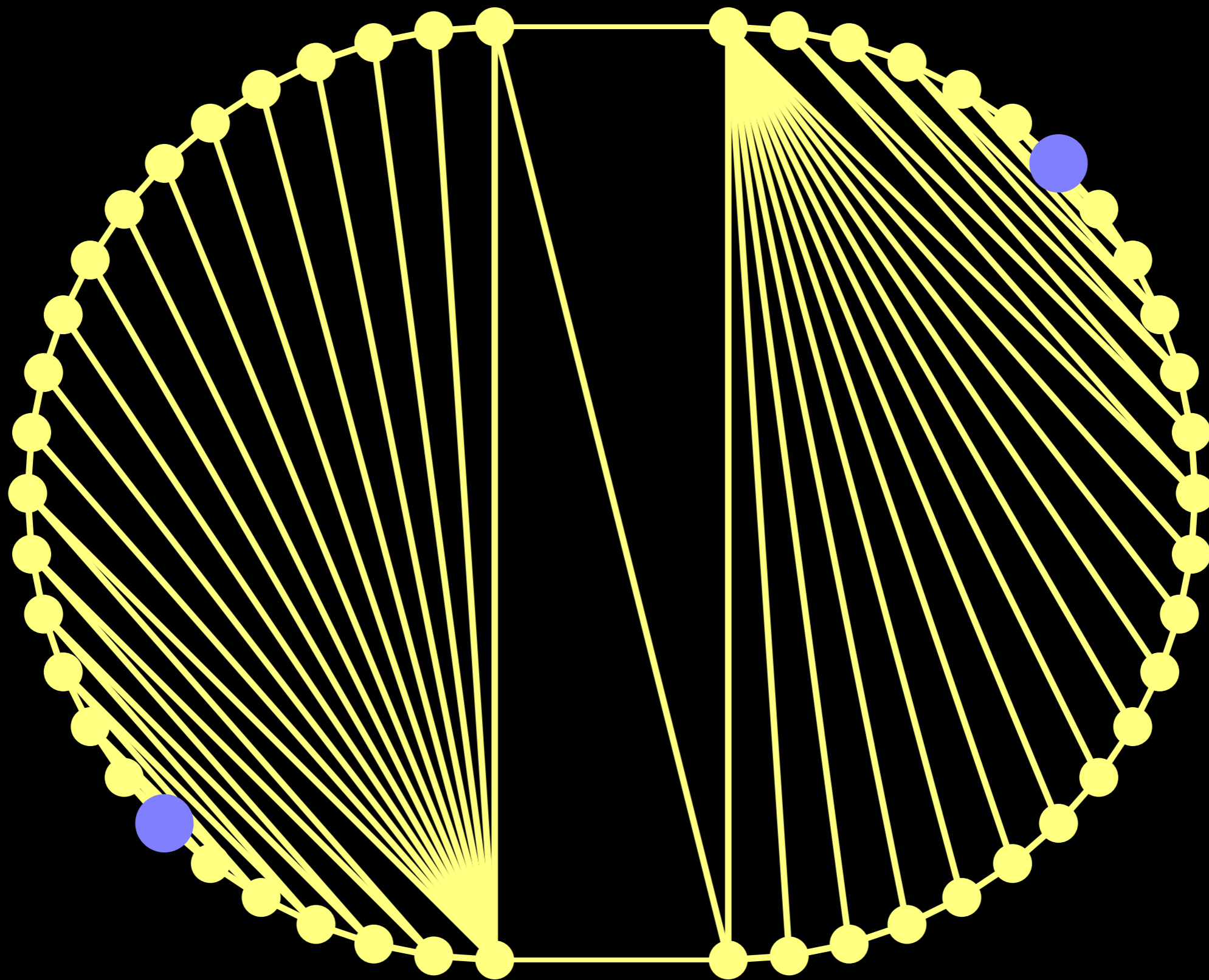


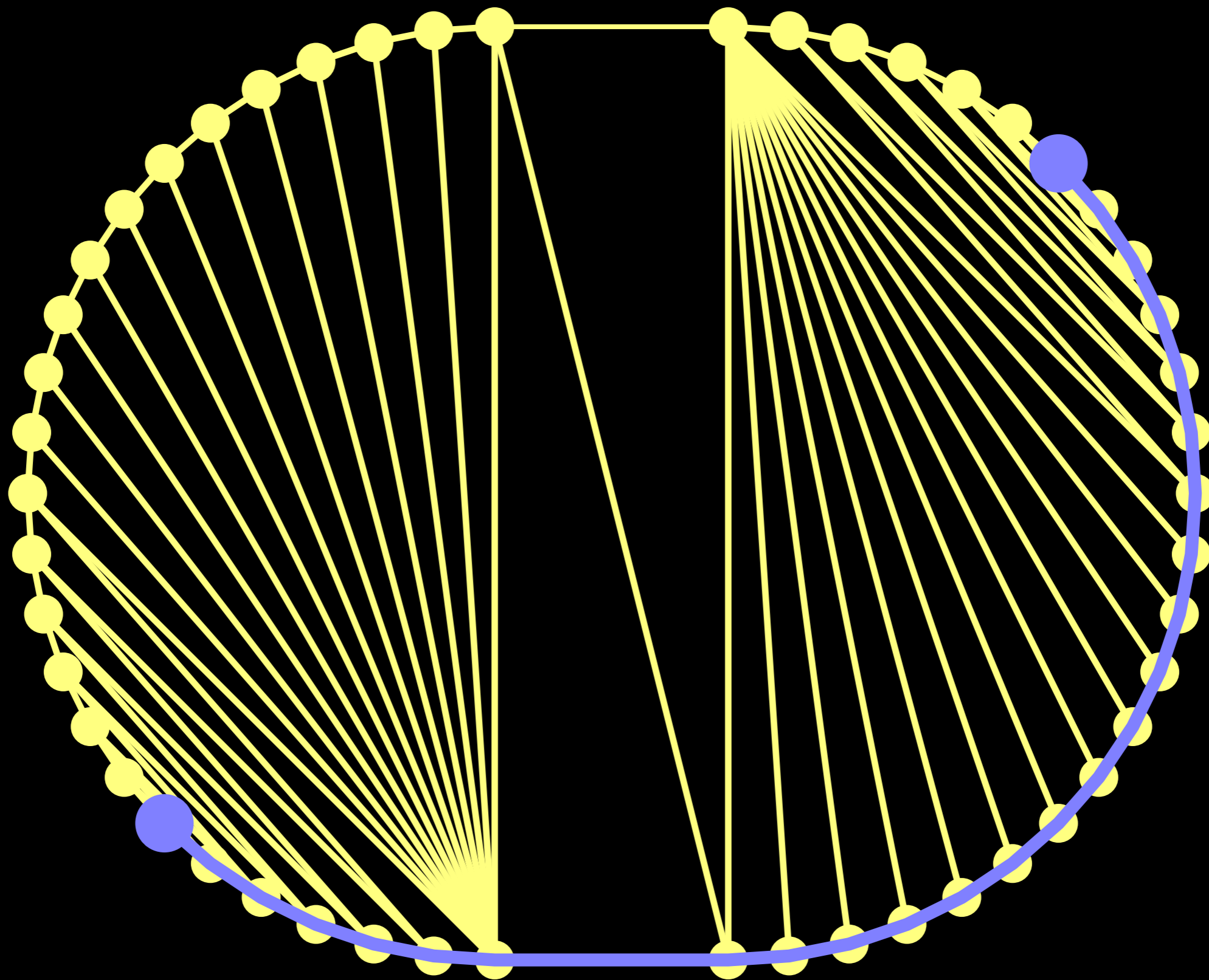


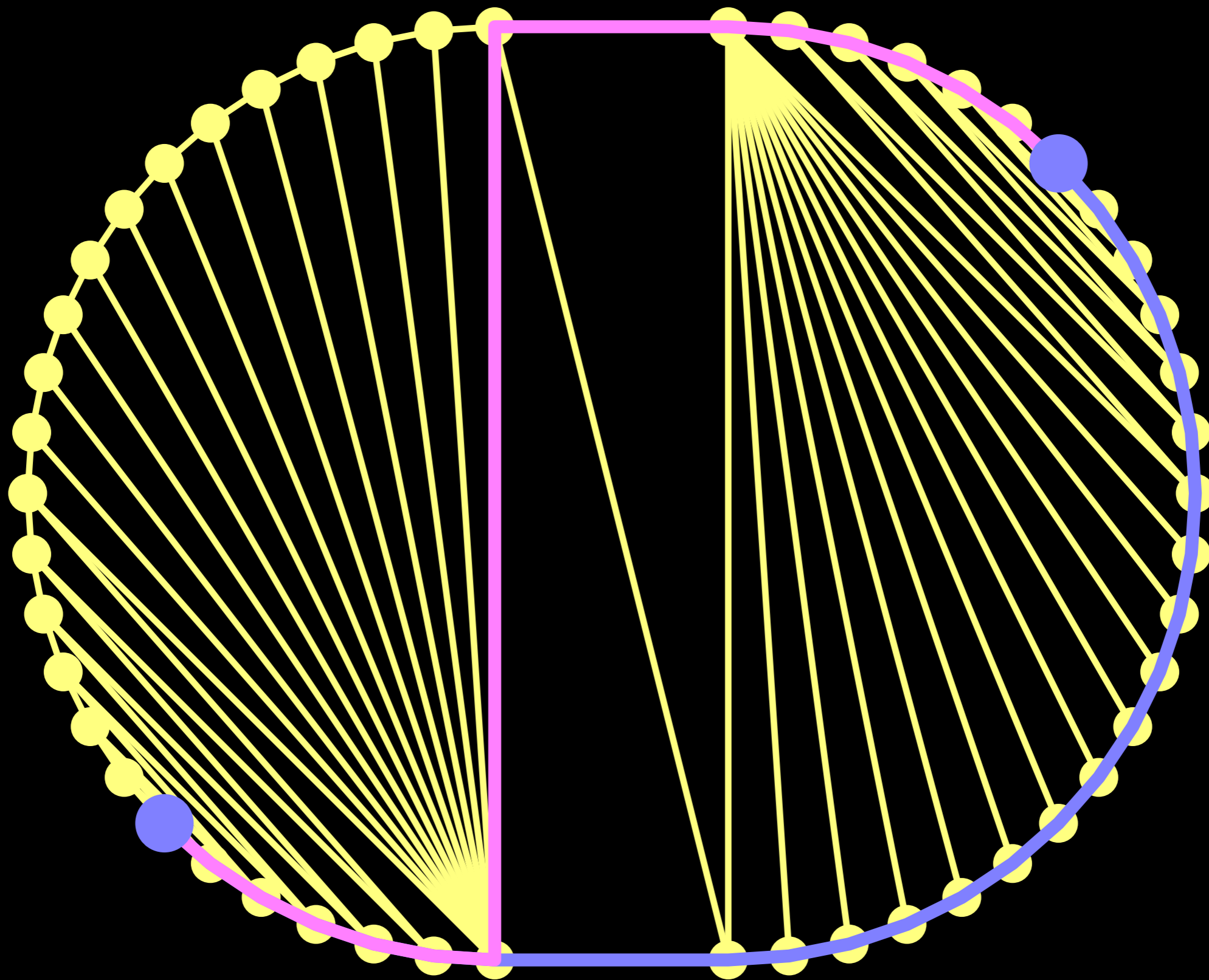


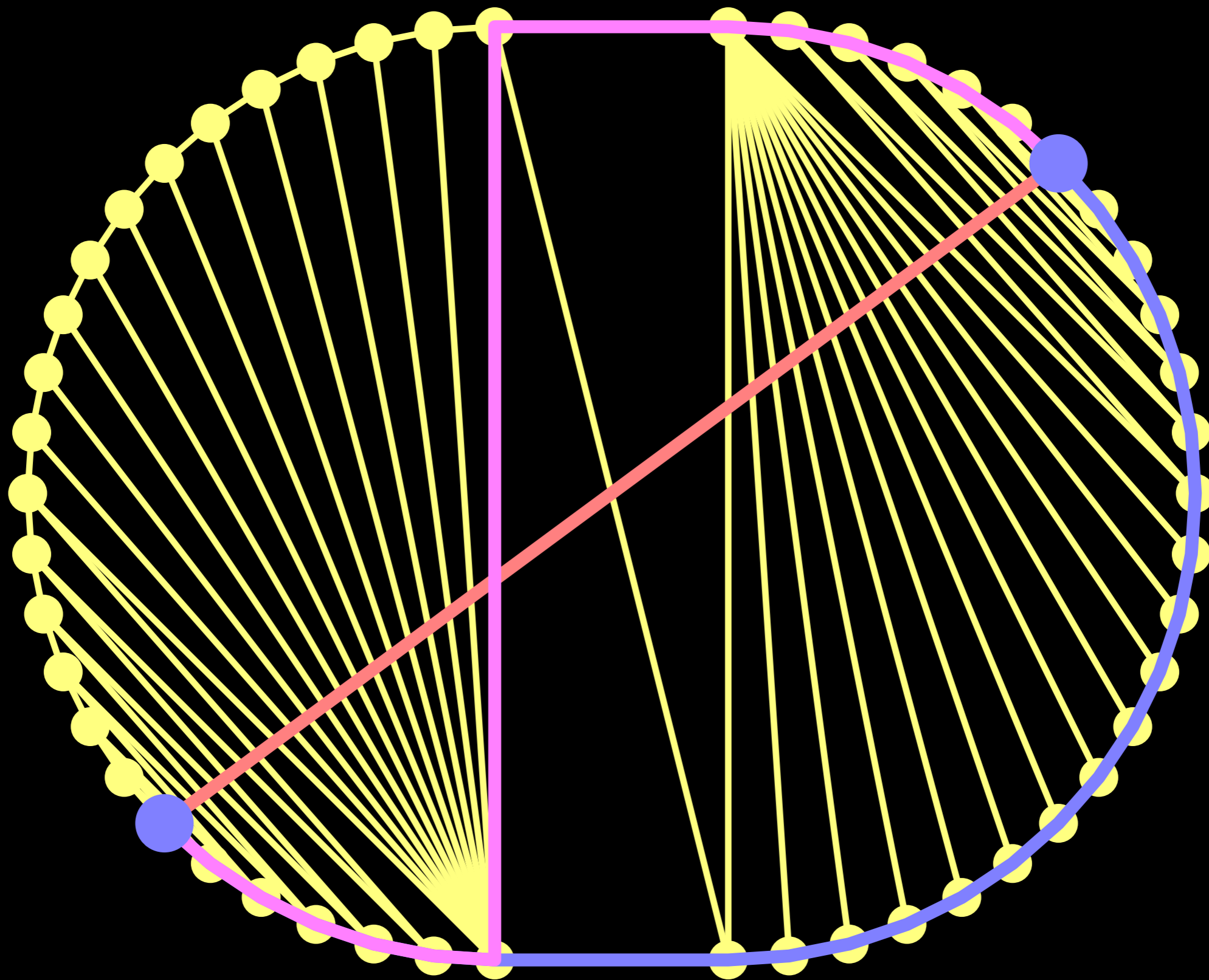


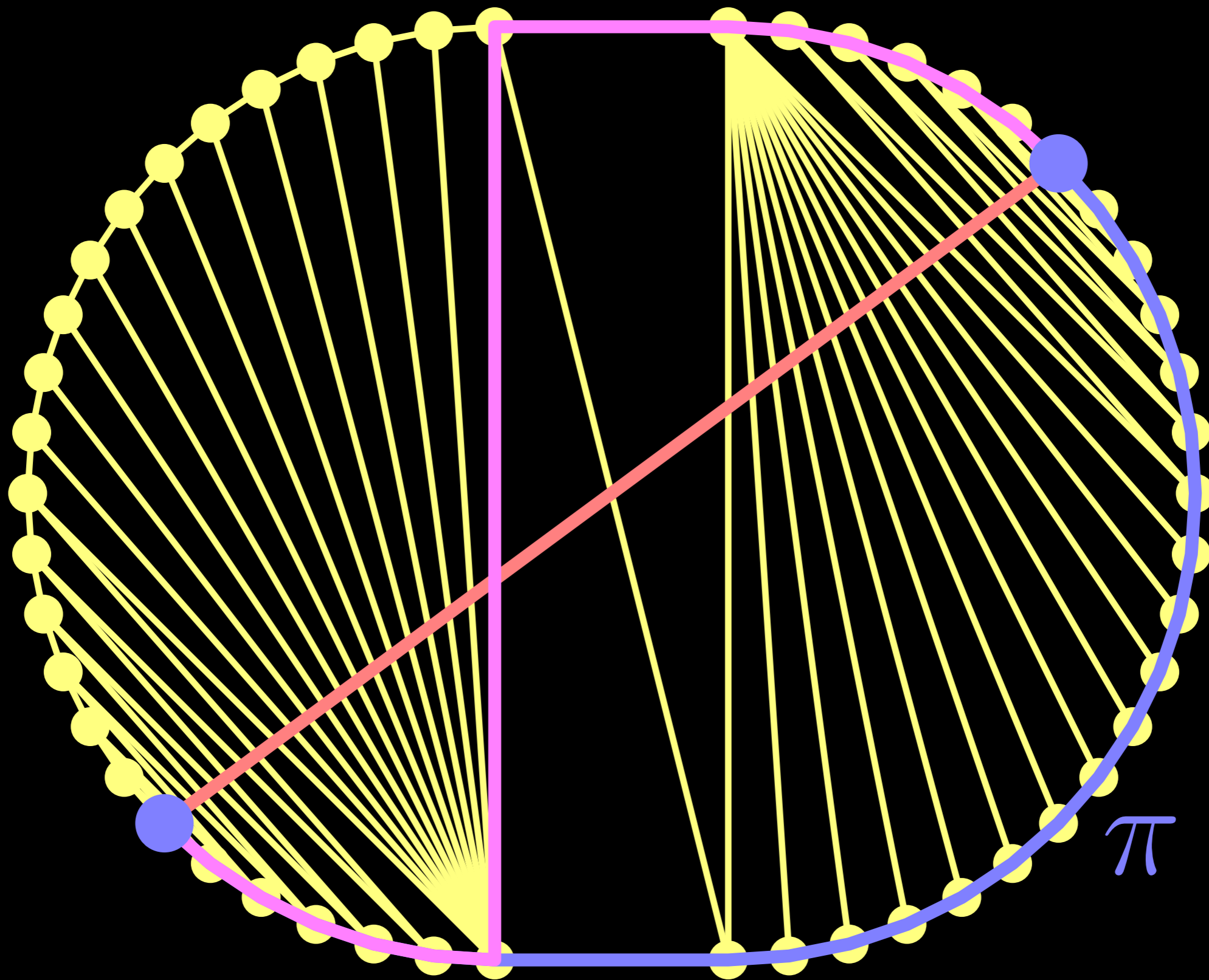






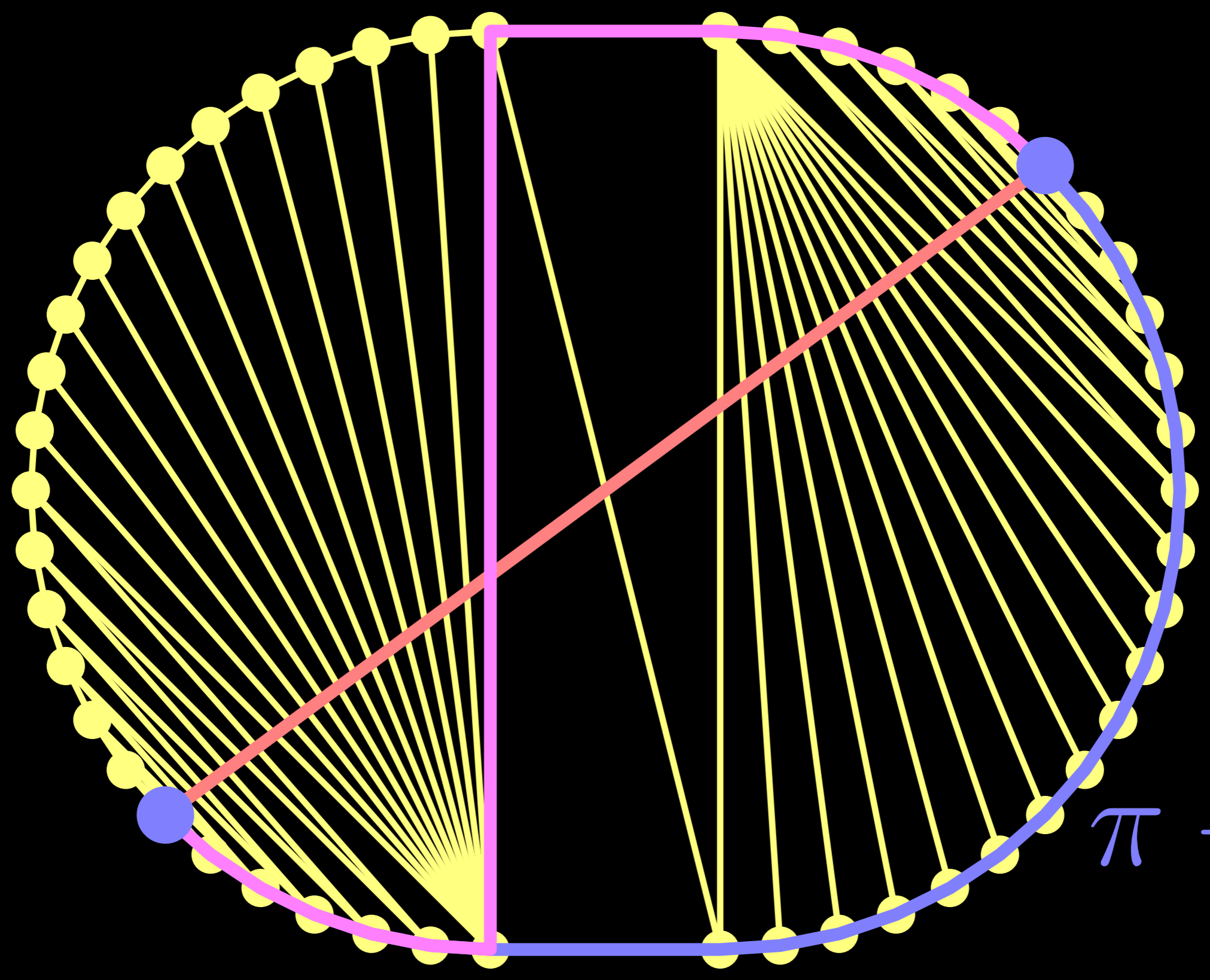




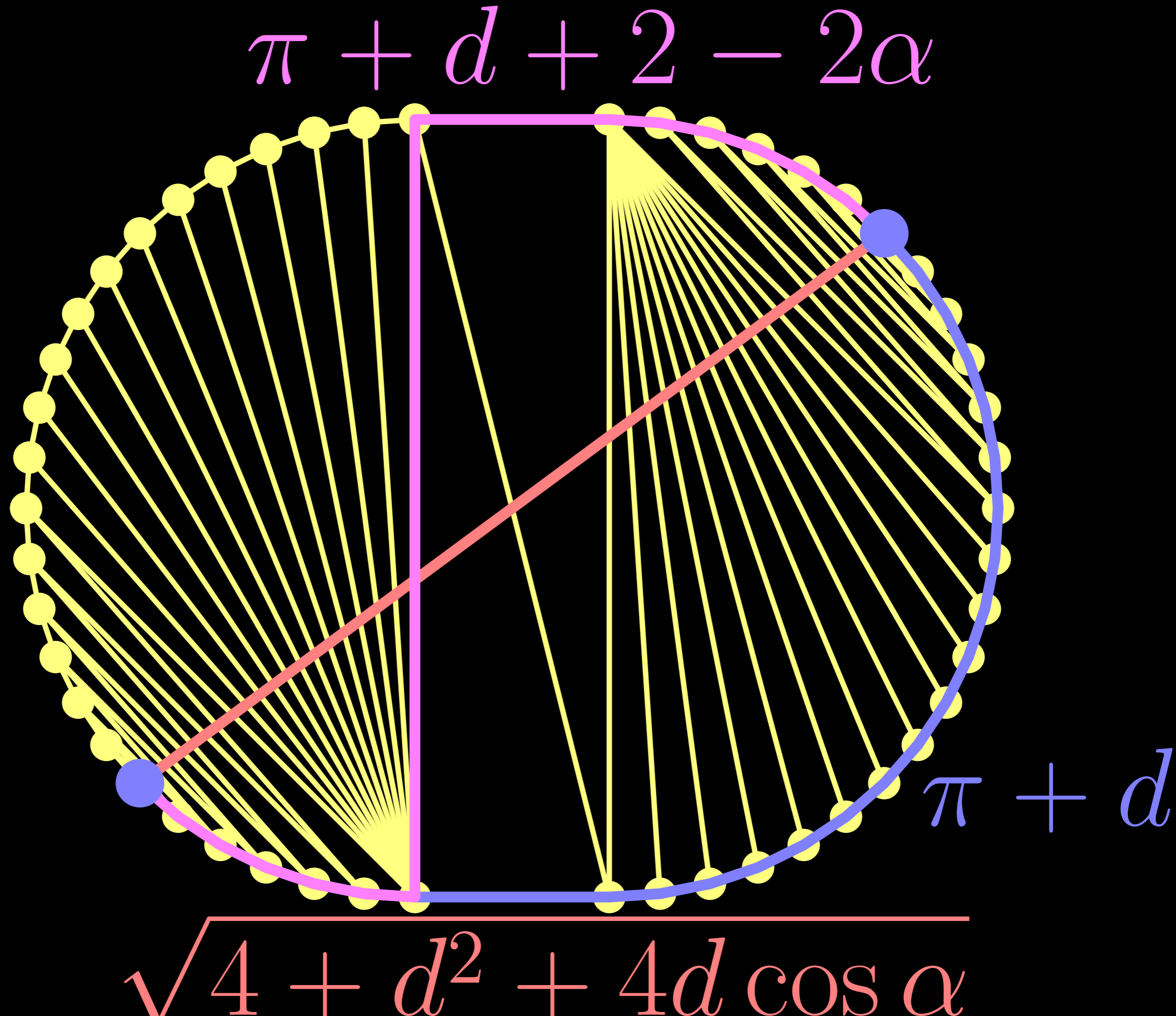


$\pi + d$

$$\pi + d + 2 - 2\alpha$$



$$\pi + d$$



$$\delta = \frac{\min(\pi + d, \pi + d + 2 - 2\alpha)}{\sqrt{4 + d^2 + 4d \cos \alpha}}$$

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$$\alpha = 1$$

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$$\alpha = 1 \quad d = 0.29$$

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$$\alpha = 1 \quad d = 0.29$$

$$\delta \approx 1.5810$$

$$\delta = \frac{\min(\pi + d, \pi + d + 2 - 2\alpha)}{\sqrt{4 + d^2 + 4d \cos \alpha}}$$

$$\alpha = 1 \quad d = 0.29$$

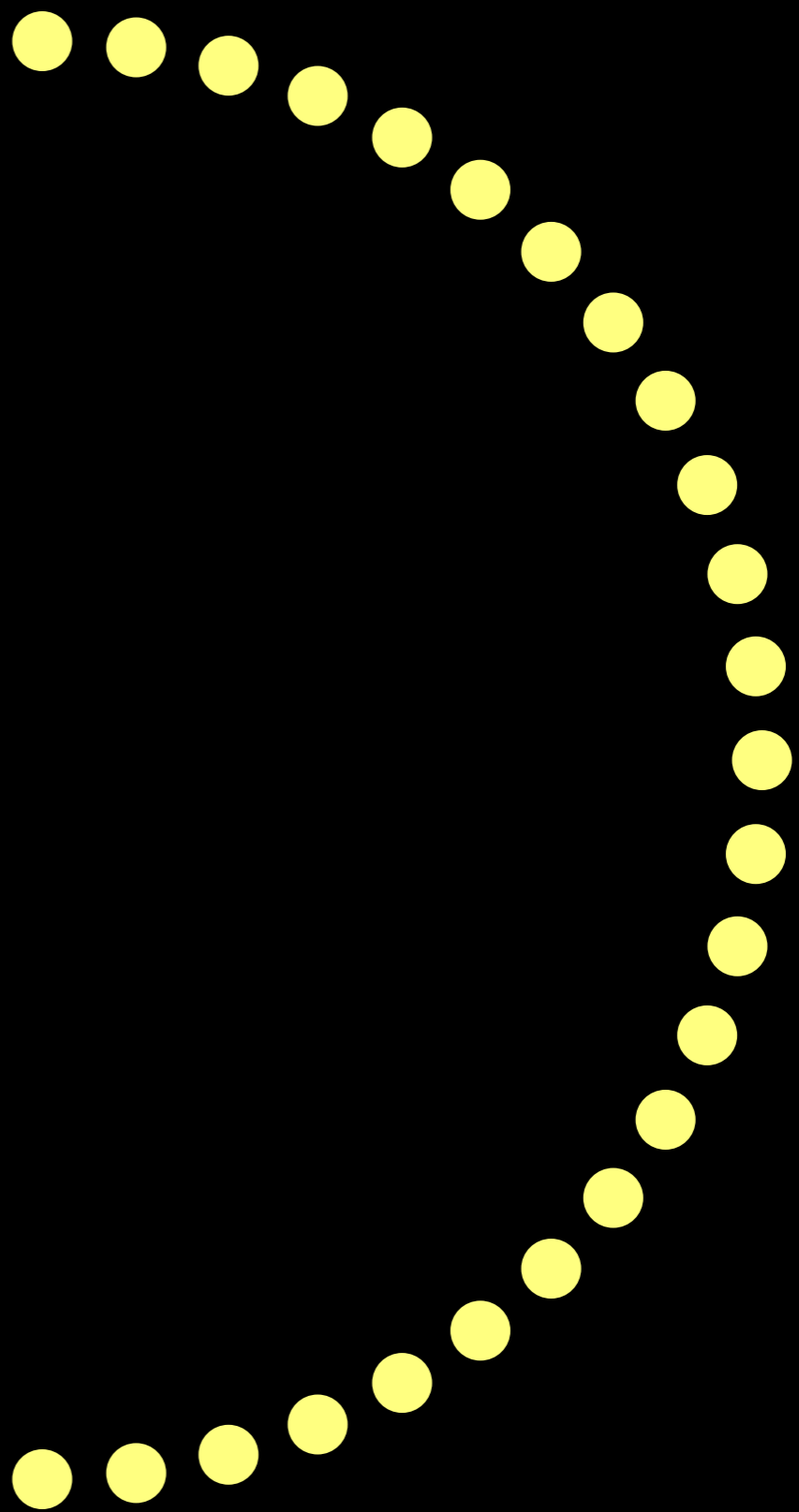
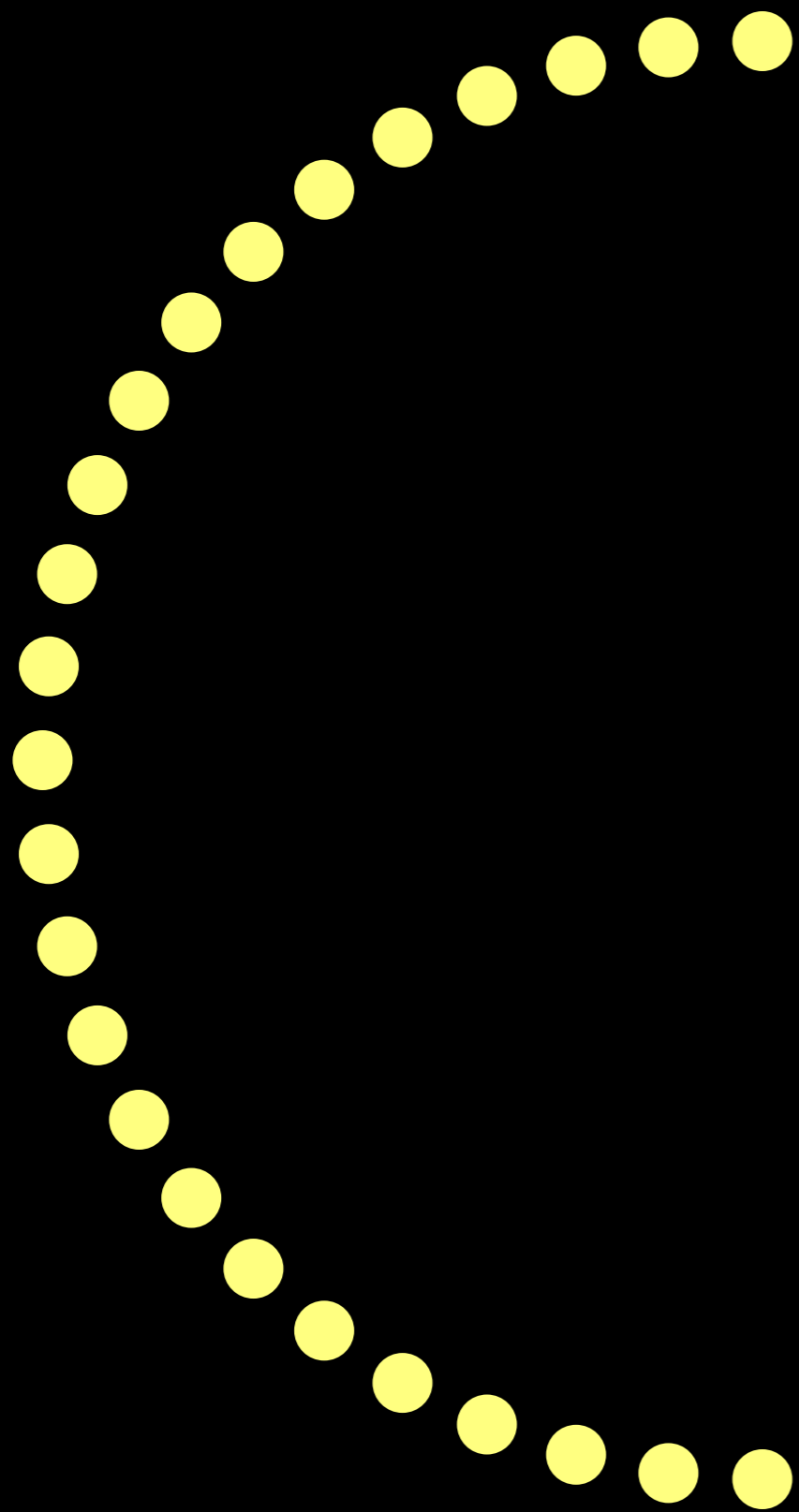
$$\delta \approx 1.5810 !!!$$

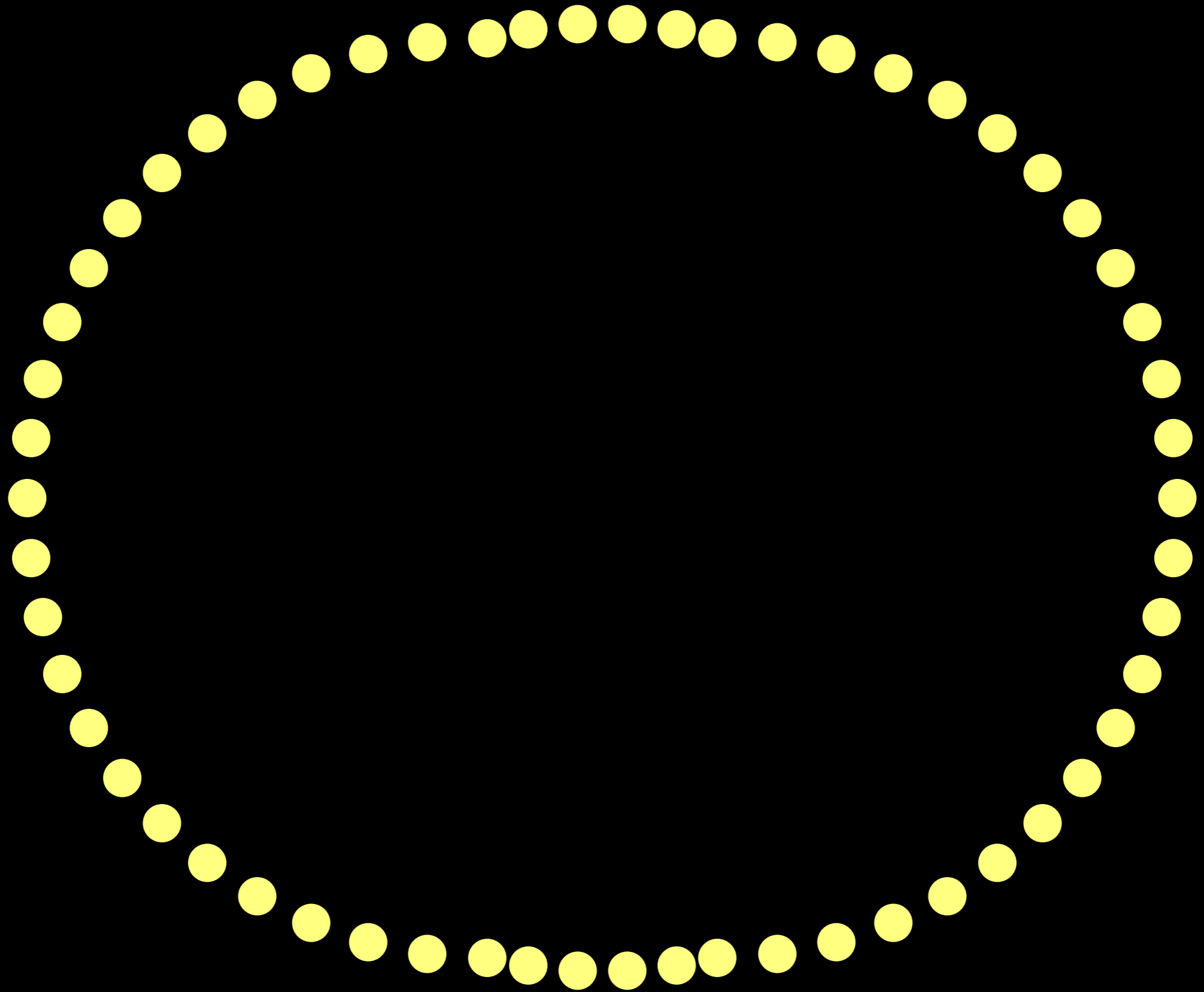
$$\delta = \frac{\min(\pi + d, \pi + d + 2 - 2\alpha)}{\sqrt{4 + d^2 + 4d \cos \alpha}}$$

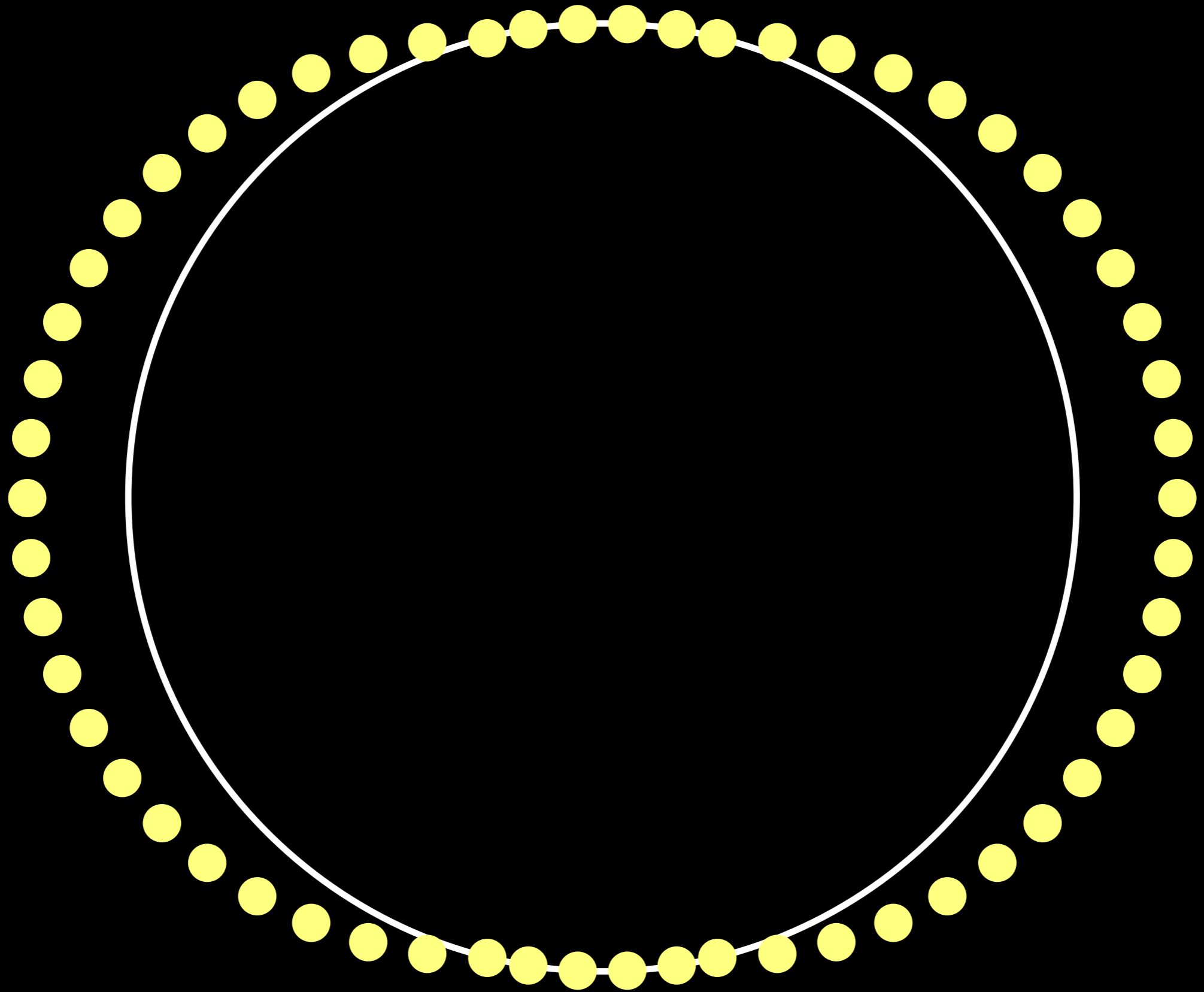
$$\alpha = 1 \quad d = 0.29$$

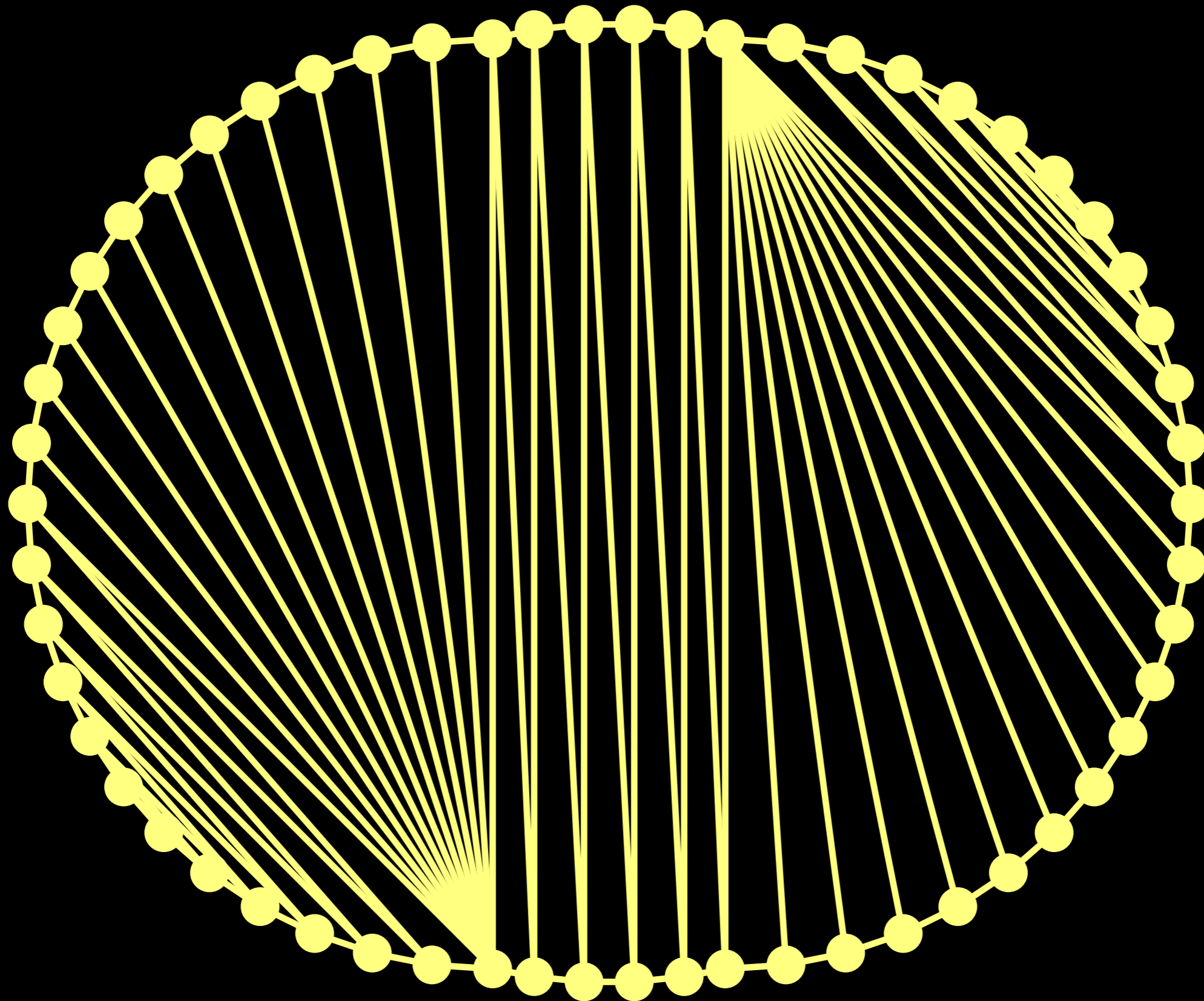
$$\delta \approx 1.5810 \quad !!!$$

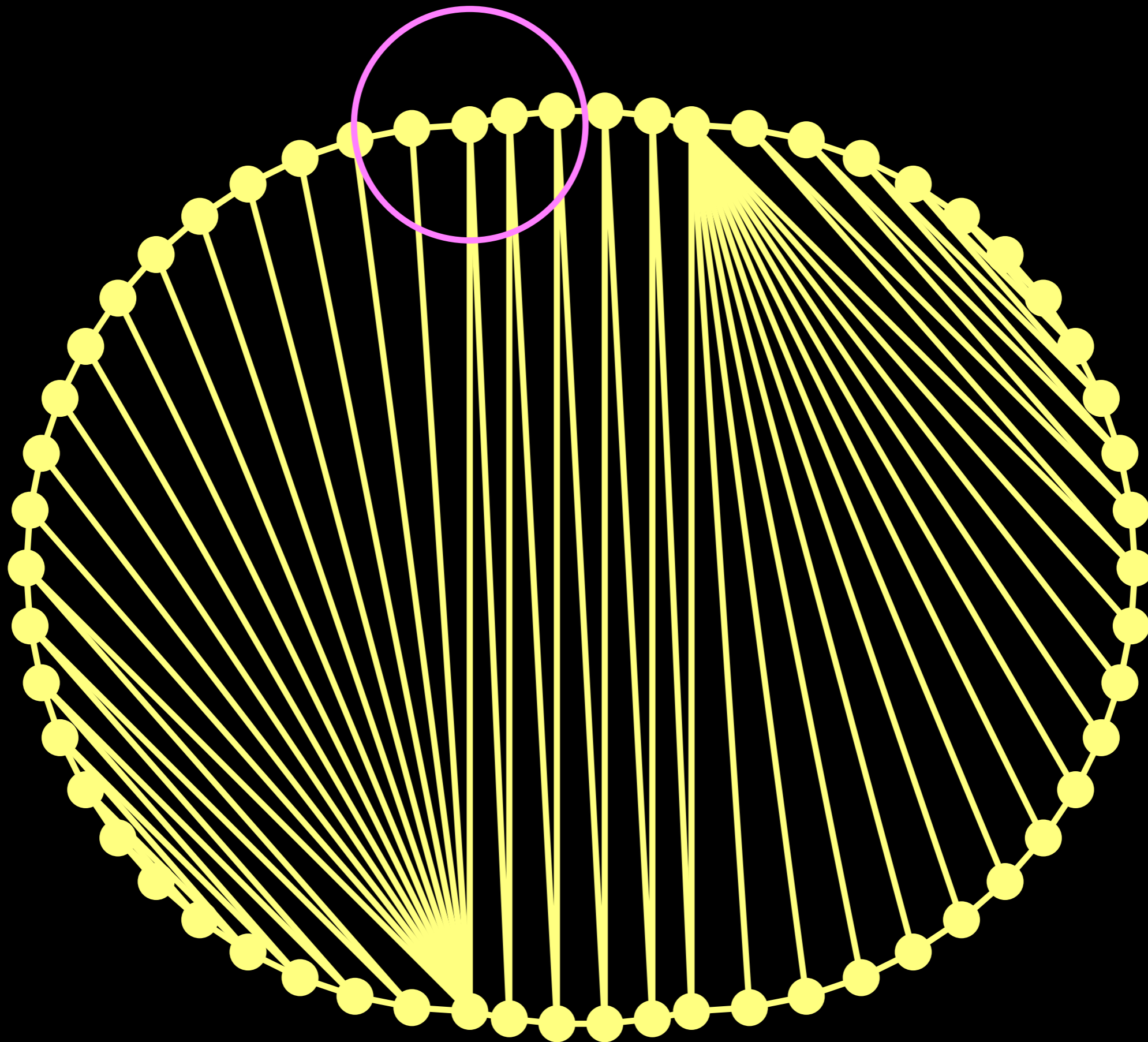
$$\left(\frac{\pi}{2} \approx 1.5708\right)$$

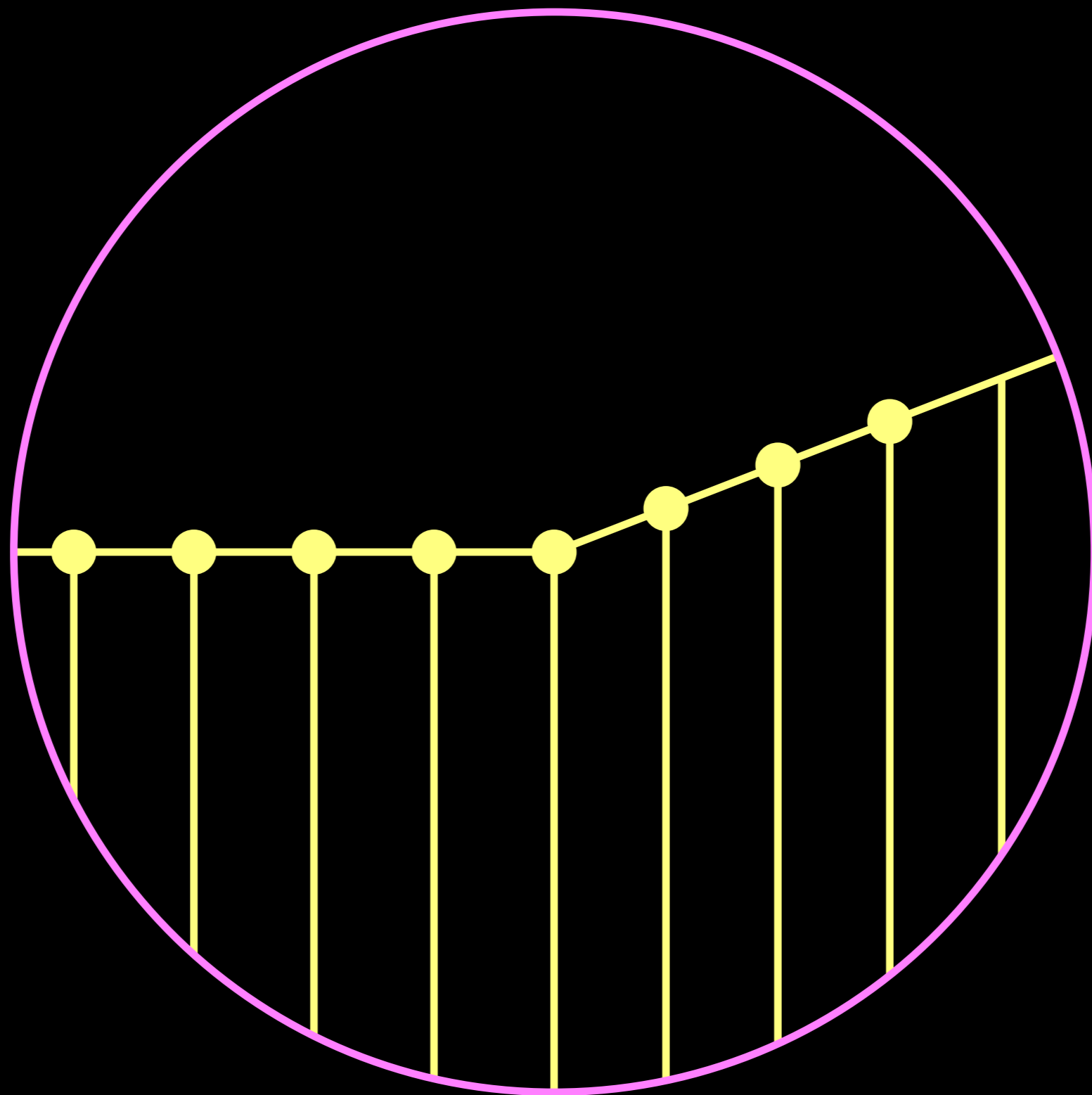


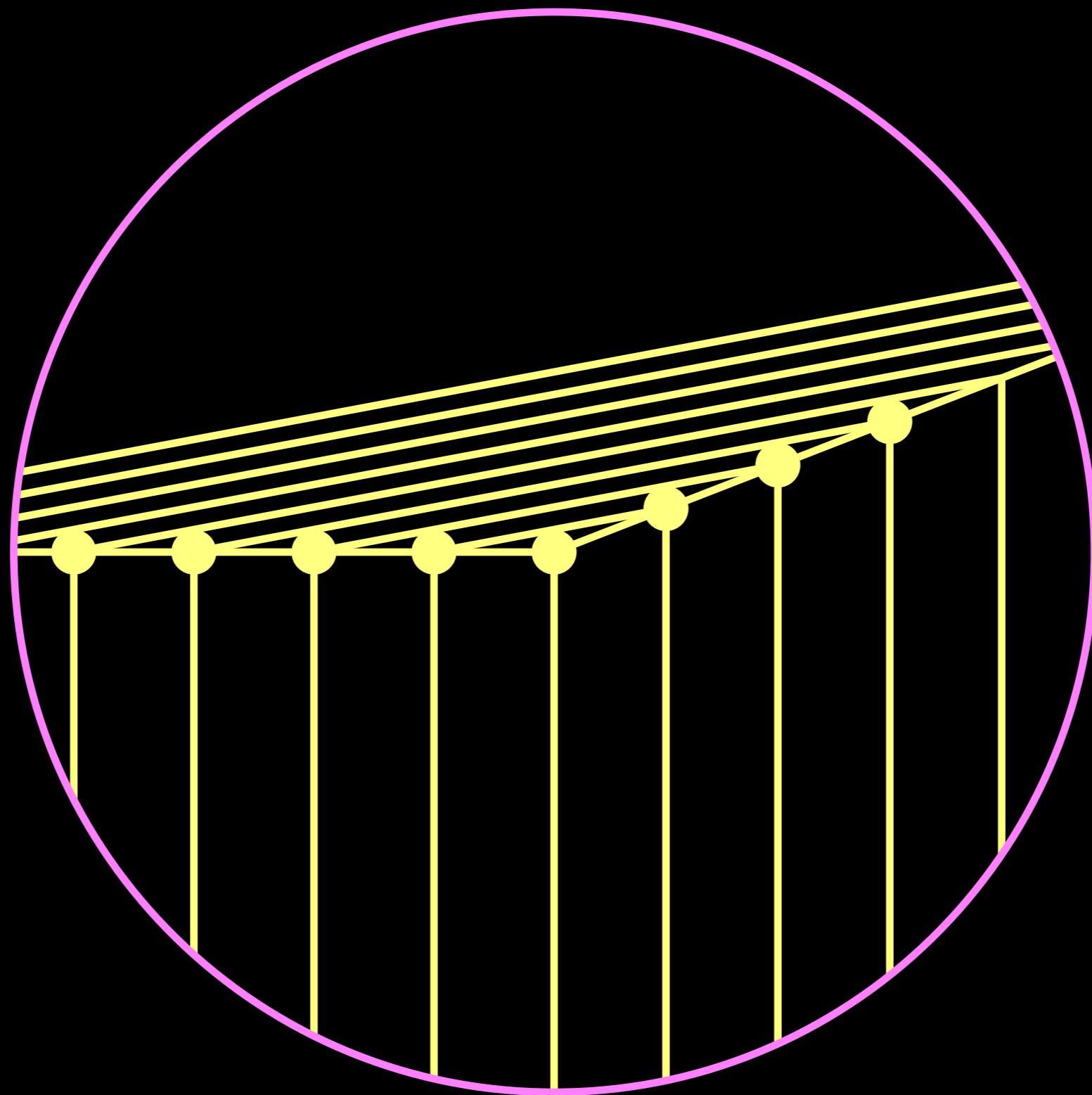


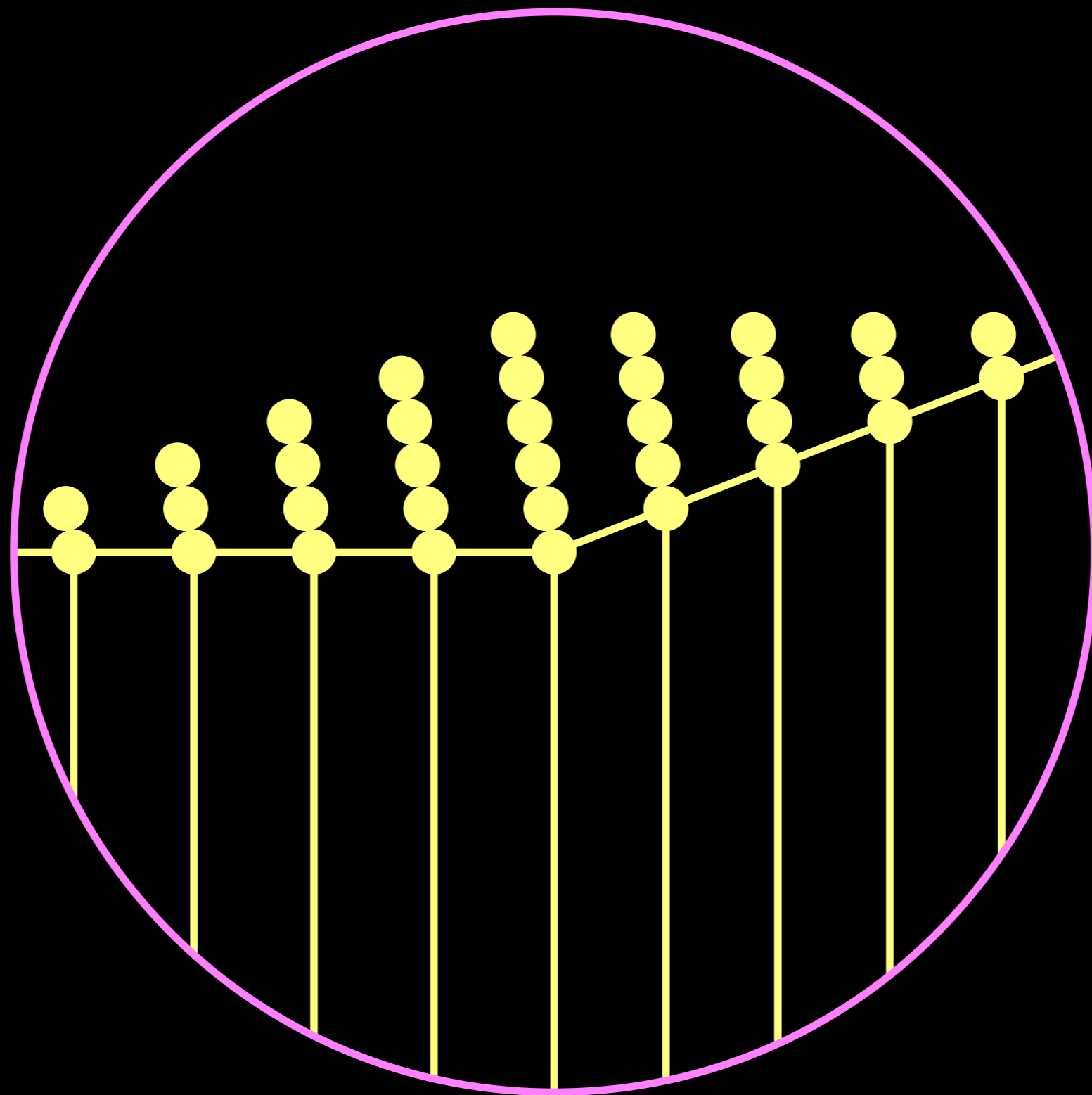


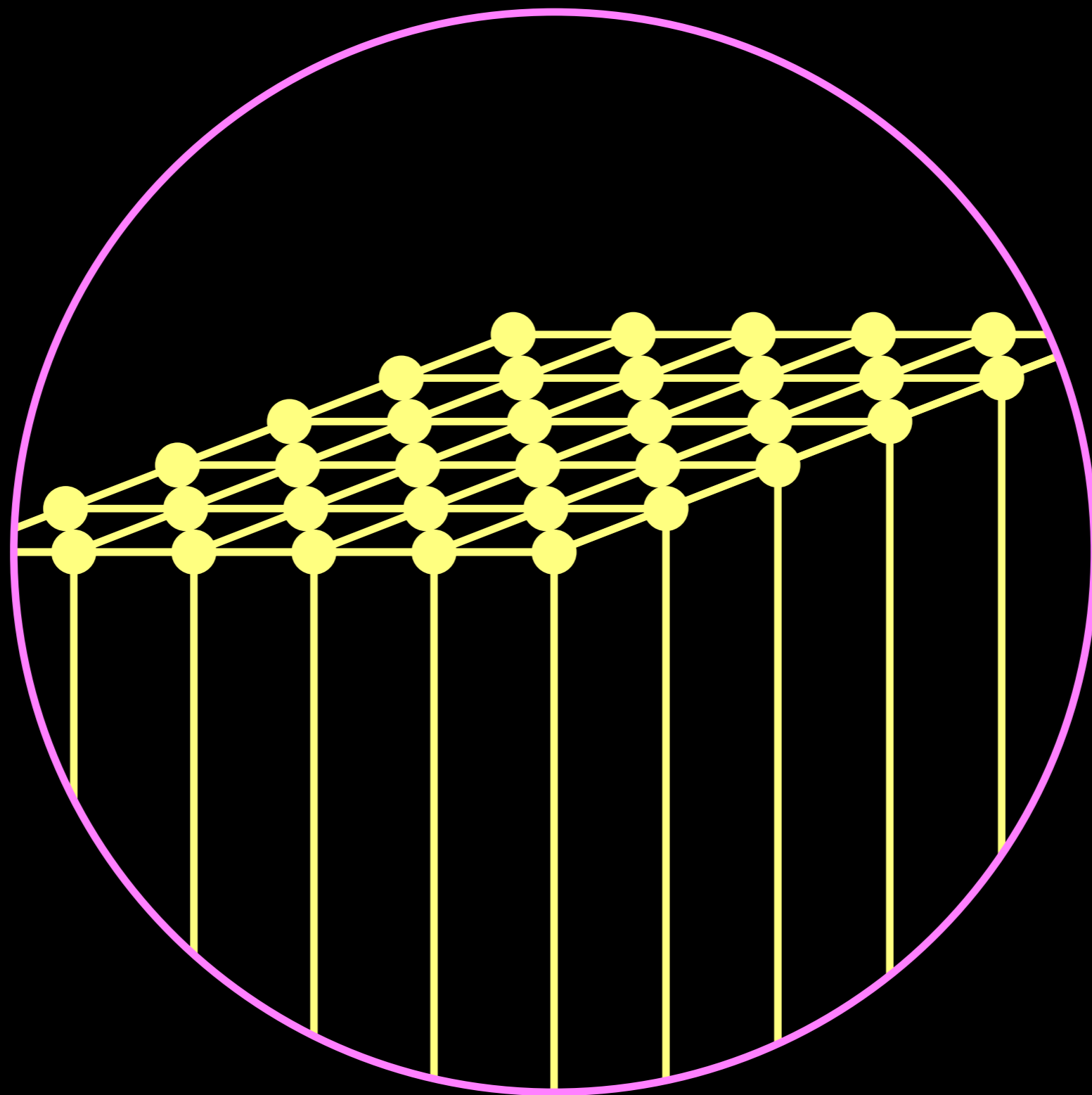


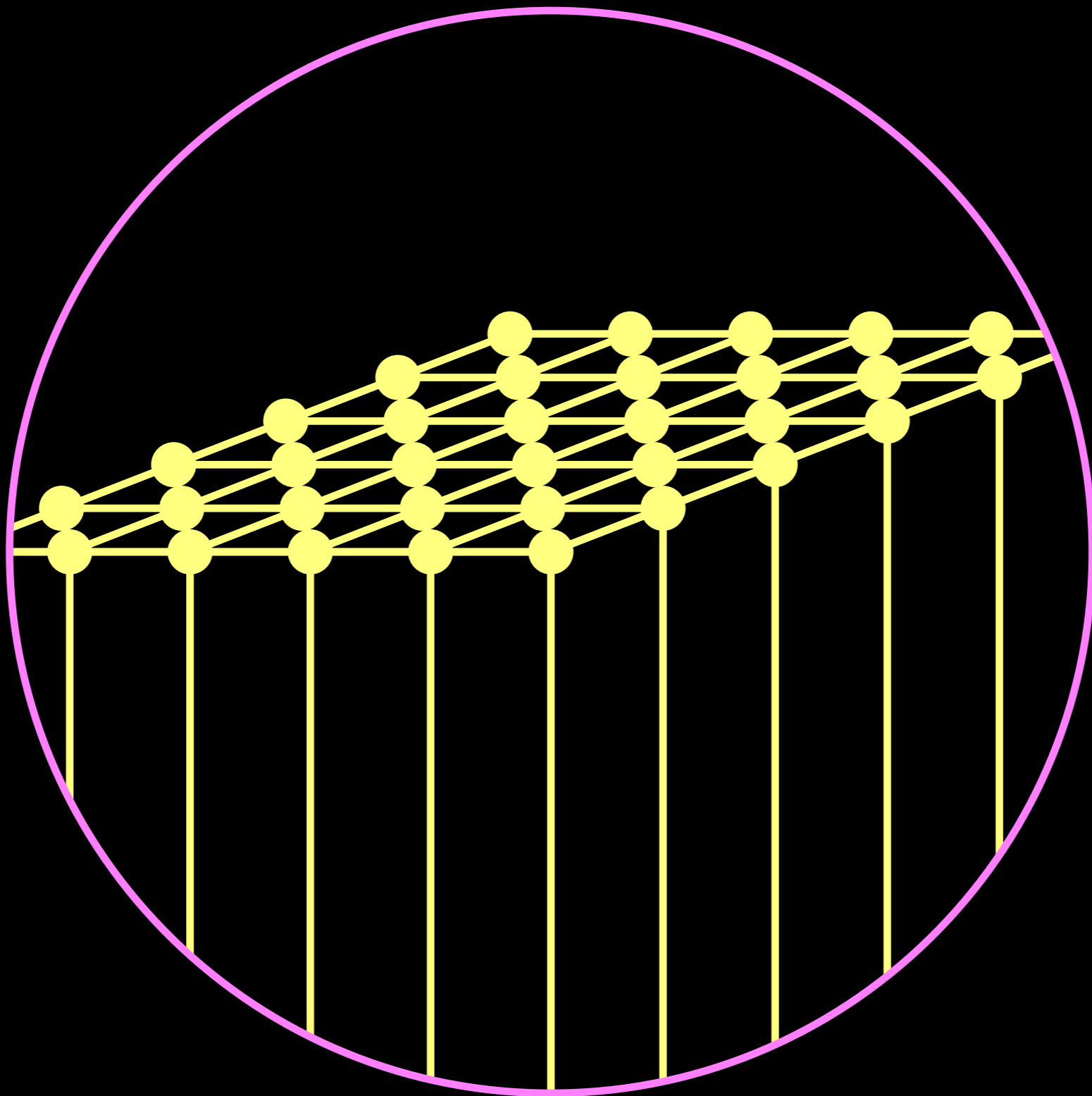




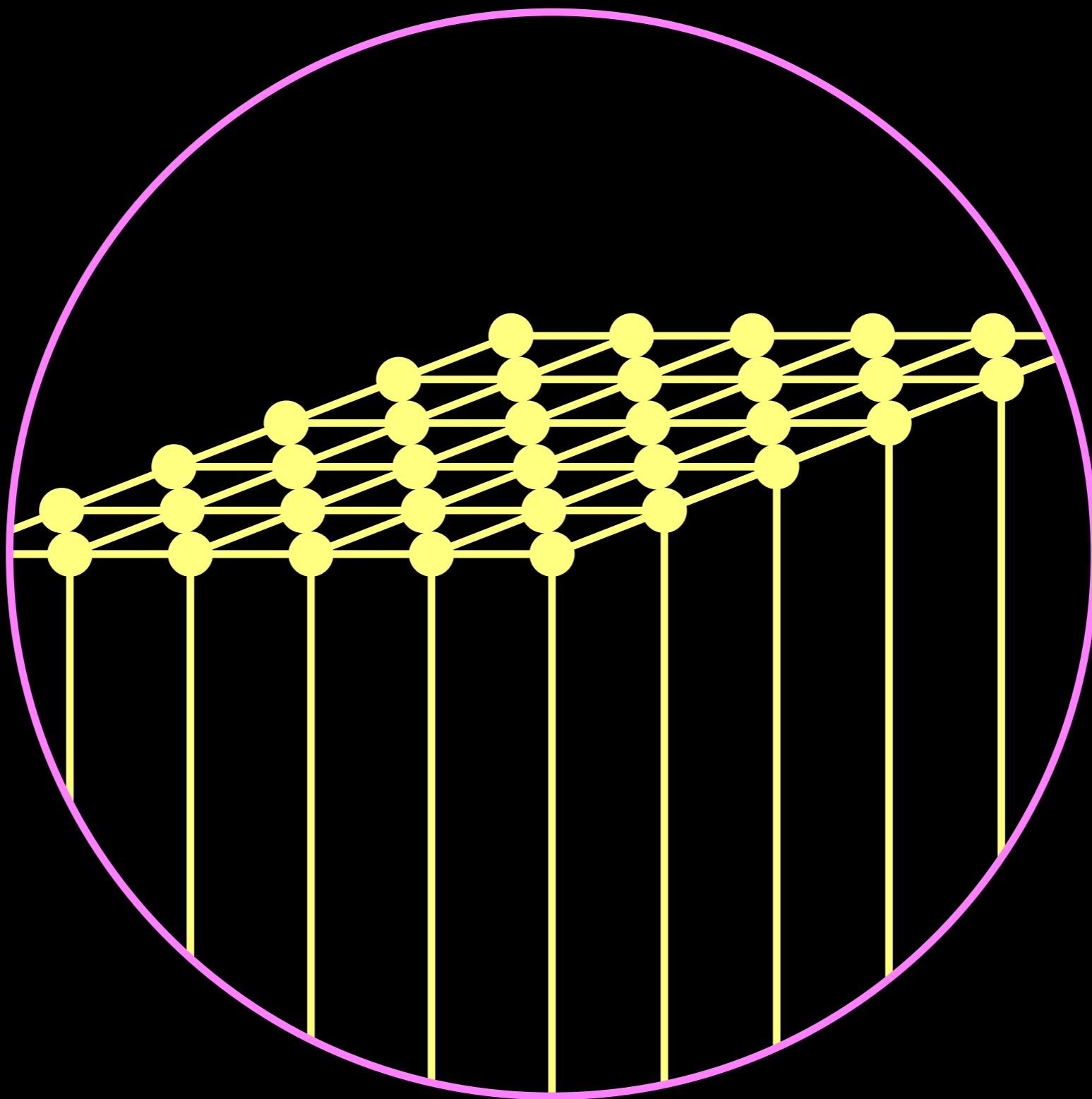








$$\delta \approx 1.5846$$



$$\delta \approx 1.5846 > 1.5810$$

