

- 1. Assuming diffraction-limited optics, what is the minimum angular separation of two stars that can be resolved by a D = 5 m telescope using light of  $\lambda$  = 500 nm?
  - **a.** 0.1 μrad
- b. 1 μrad
- **c.** 10 μrad

- 2. If the two point sources are not quite resolved at screen 1, will they be resolved at screen 2?
  - a. Yes

b. No

screen 2

screen 1