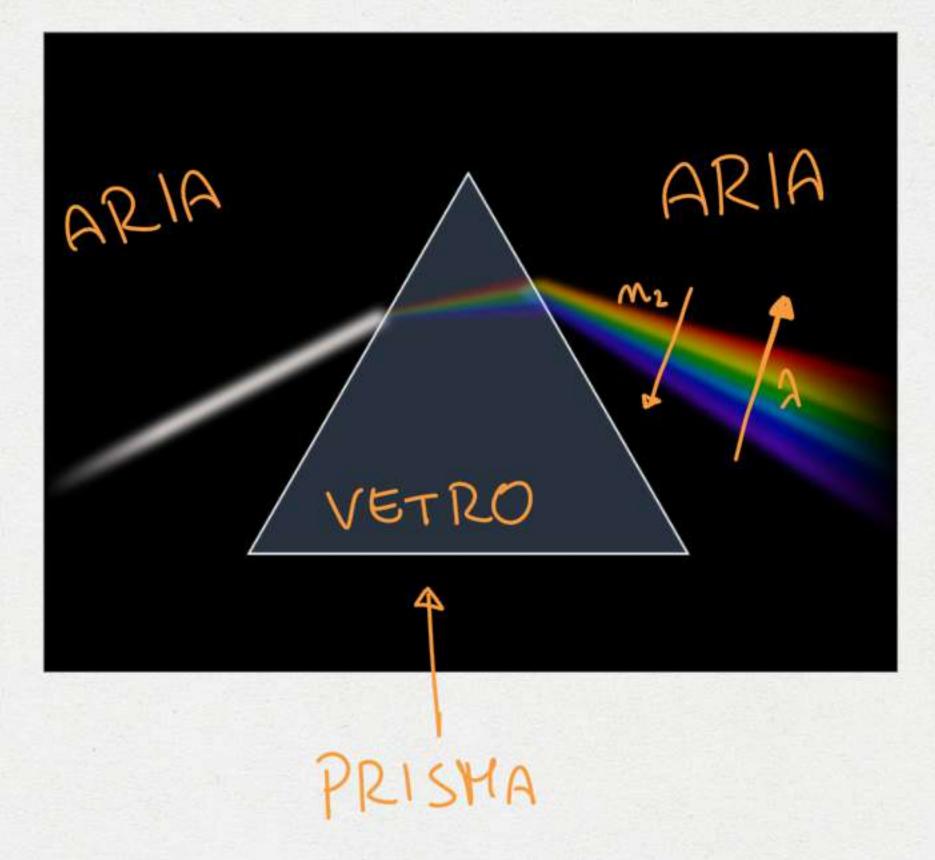
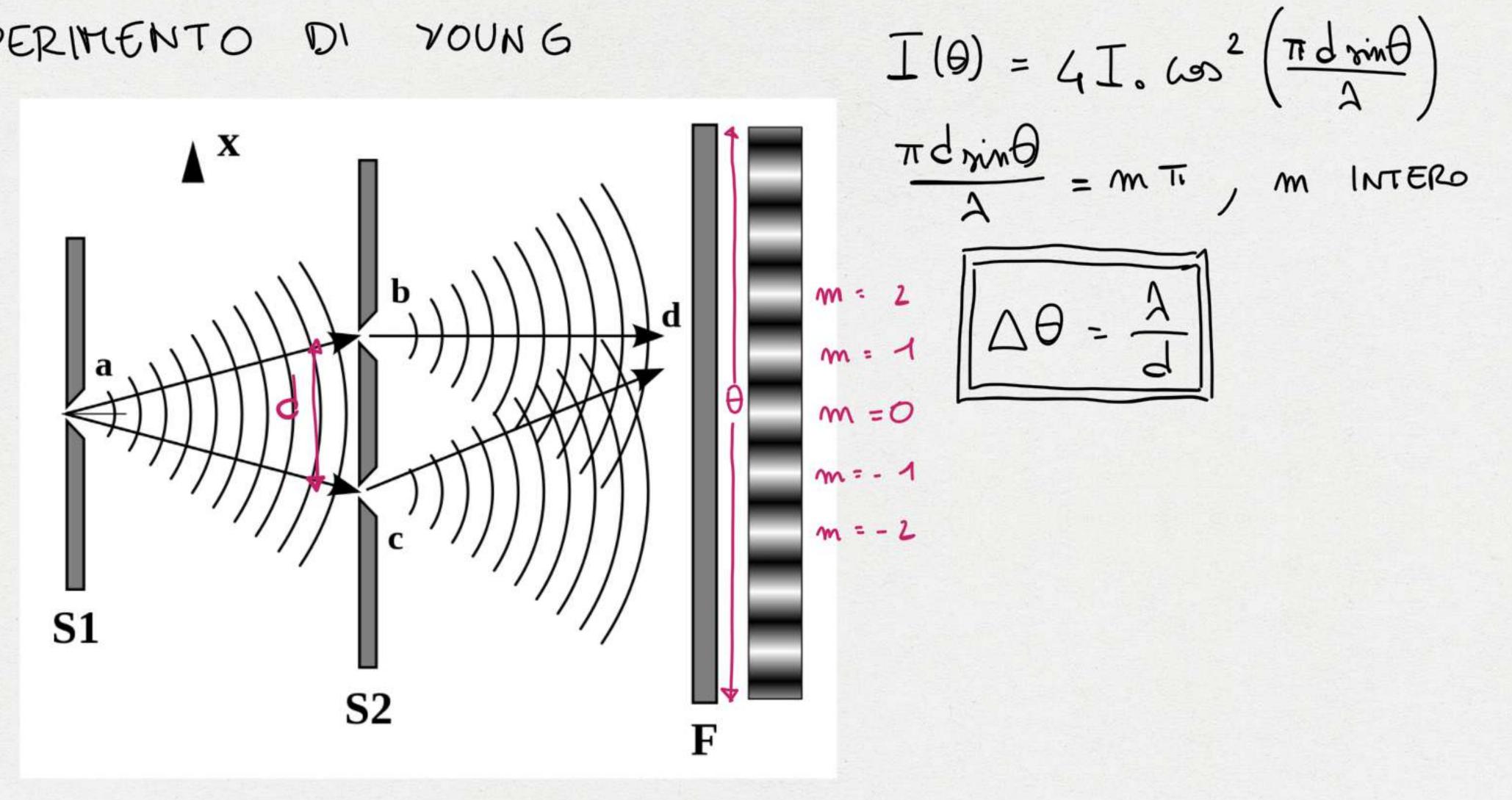
DISPERSIONE DELLA LUCE



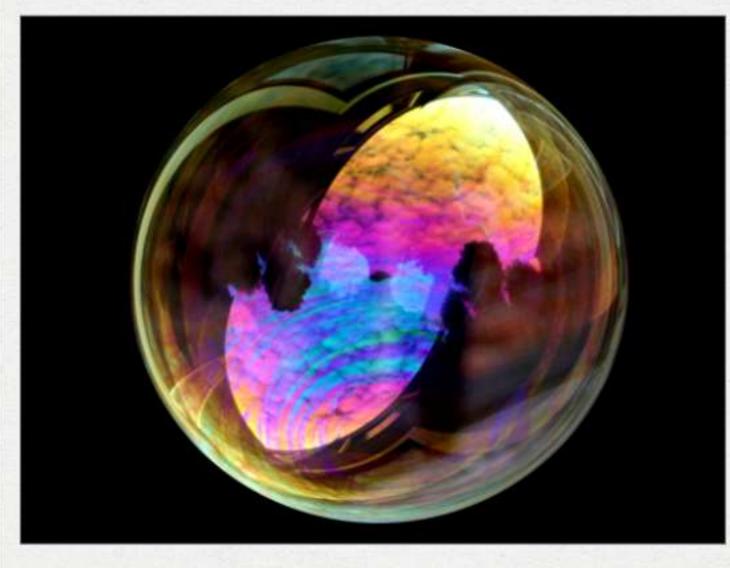
$$M_1 \sin \theta_i = M_2 \sin \theta_t$$
 $\sum_{n=1}^{\infty} \sin \theta_i = M_2 \sin \theta_t = \frac{\cos \theta_i}{M_2}$
 $M(\lambda) = M_2 \sin \theta_t = \frac{\cos \theta_i}{M_2}$
 $M(\lambda) = M_2 \sin \theta_t = \frac{\cos \theta_i}{M_2}$

ESPERIMENTO DI YOUN G

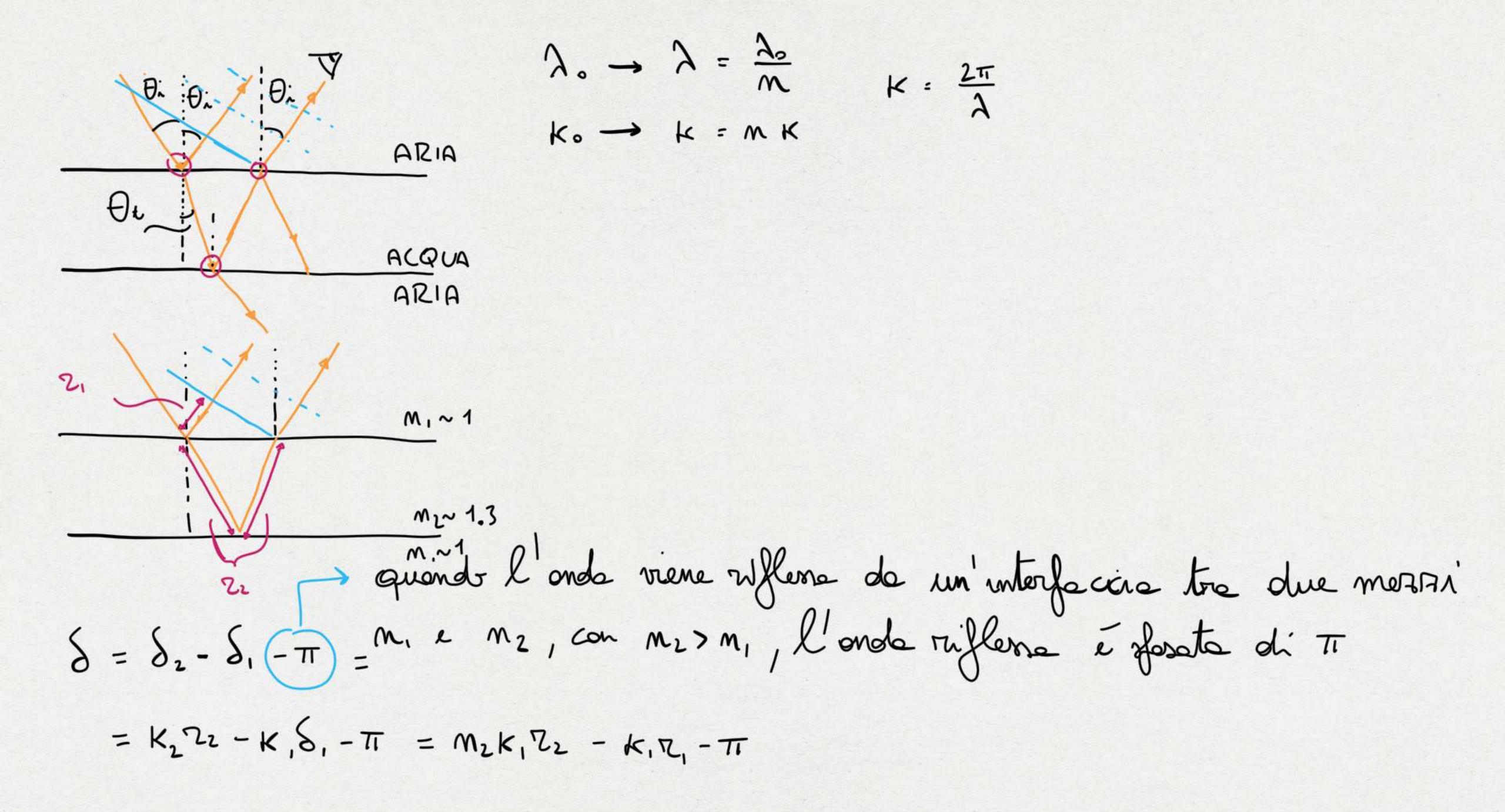








INTERFERENZA DA LAMINE SOTTILI
THIN-FILM INTERFERENCE



$$\nabla_2 = \frac{2d}{\cos \theta t} \neq \sum_{k=1}^{\infty} \delta_2 = \frac{k_1 m_2 z}{\cos \theta t}$$

$$z_1 = h \sin \theta i = 2 zz \sin \theta t \sin \theta i = zz \sin \theta t \sin \theta i =$$

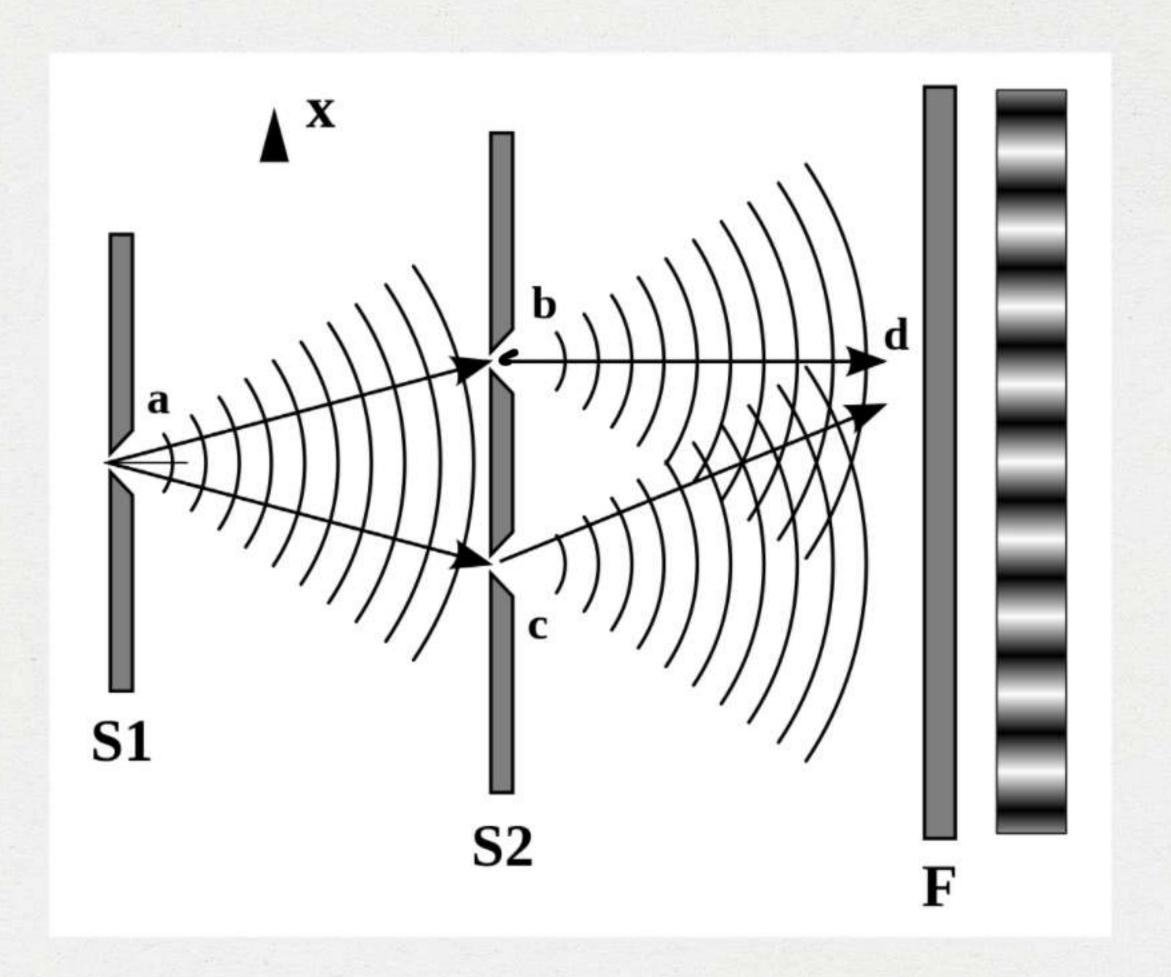
ma Oi = mz min Ot

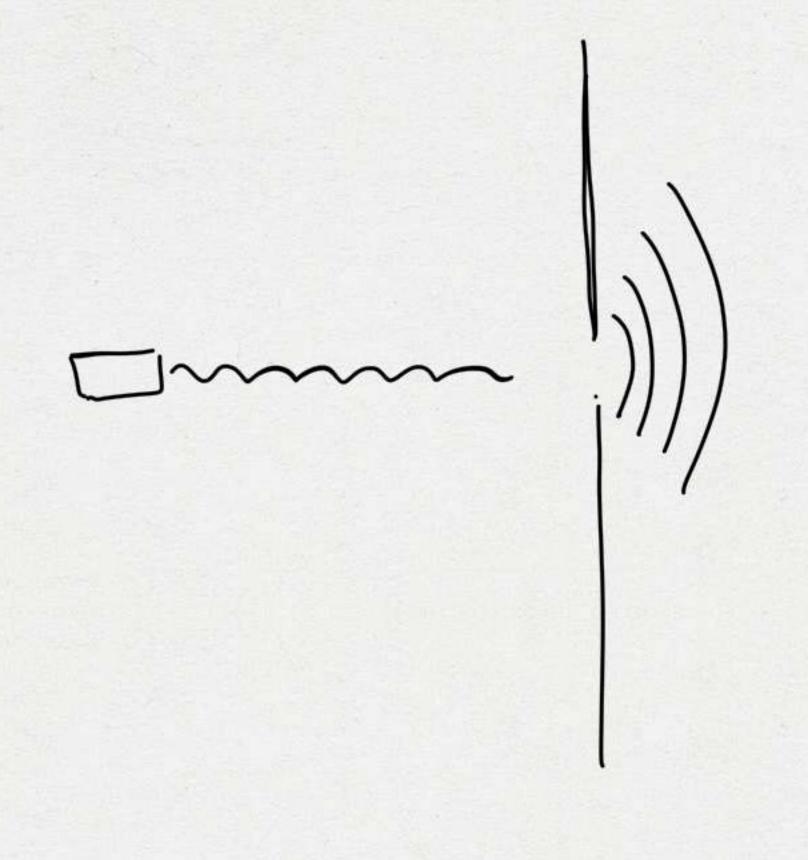
$$S = S_2 - S_1 - \pi = \frac{2K_1 m_2 d}{\cos \theta t} \left(1 - \frac{m_1 2 d}{\cos \theta t}\right) - \pi = 2K_1 m_2 d \cos \theta t - \pi$$

$$S = S_2 - S_1 - \pi = \frac{2K_1 m_2 d}{\cos \theta_t} \left(1 - \frac{1}{\sin^2 \theta_t} \right) - \pi = 2K_1 m_2 d \cos \theta_t - \pi$$

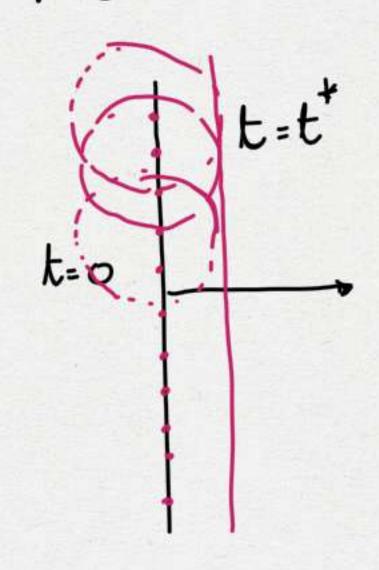
$$S = (2m+1)\pi \rightarrow MINIMO OI WITENSITÄ
d1 \rightarrow 0$$

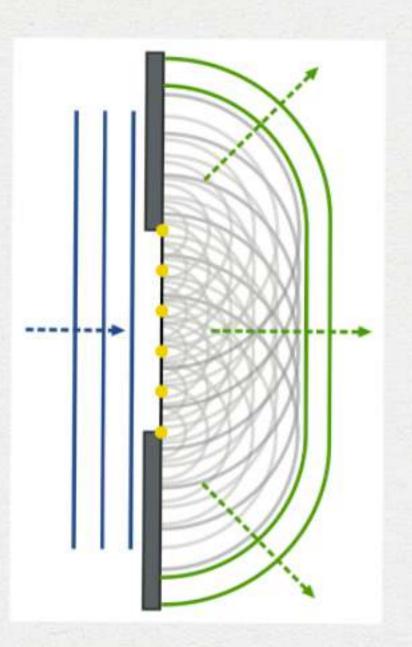
$$= (2m+1)\pi$$



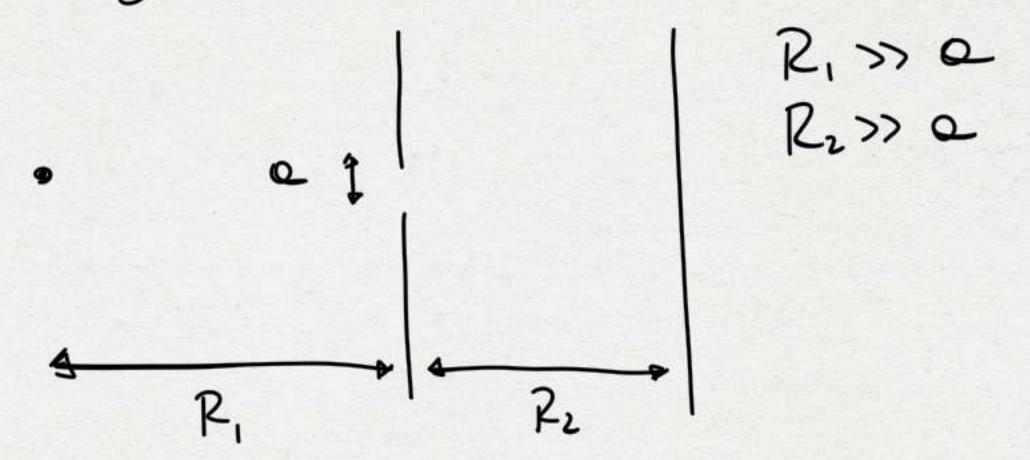


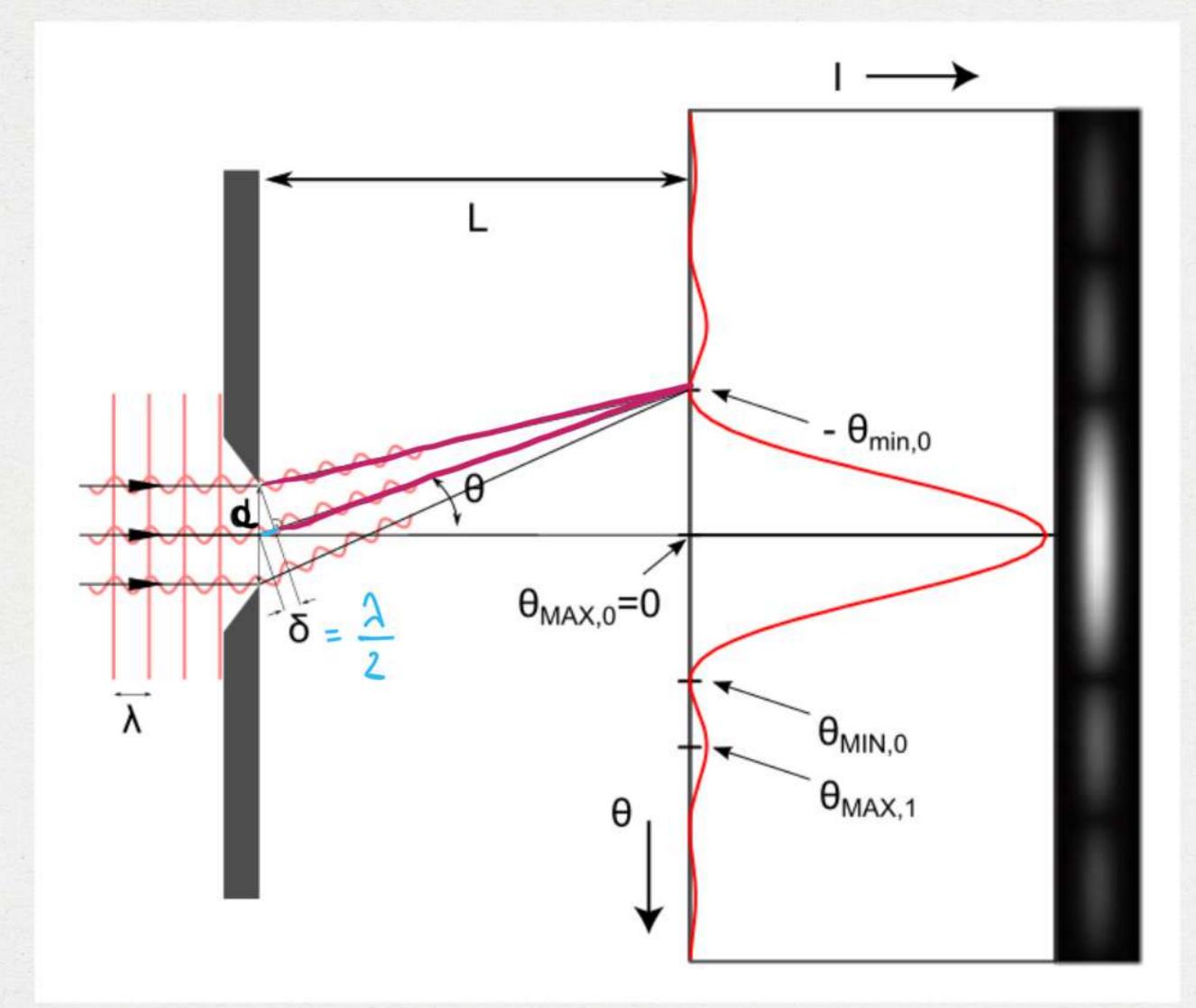
DIFFRAZIONE é un'interference di un'onde con se stesse re l'ortecle/fonditure la dimensione ~ e, si osserve diffrazione se A~ e PRINCIPIO DI HUYGENS-FRESNEL

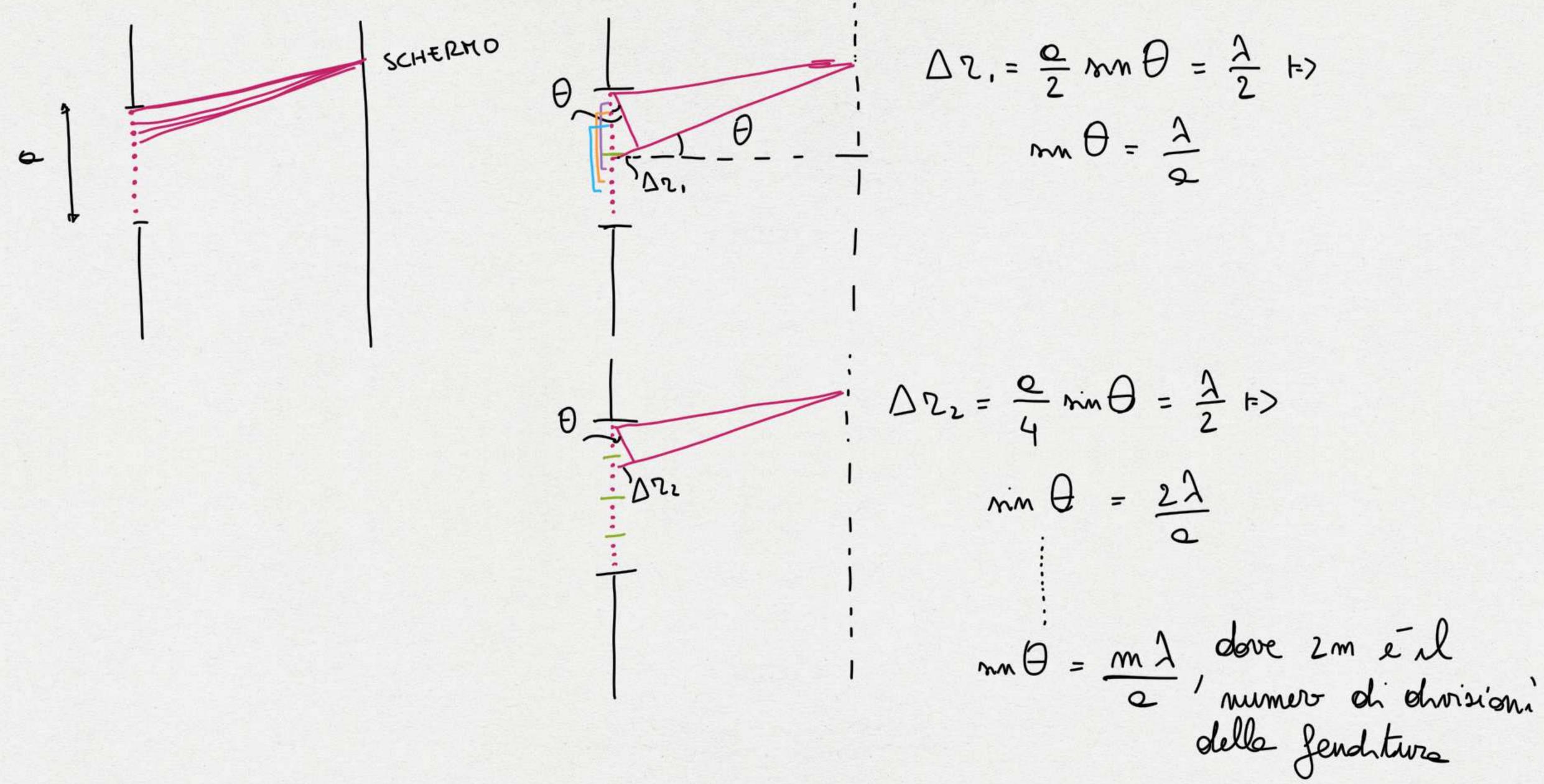




DIFFRAZIONE DI FRAUNHOFER







$$\Delta 2 = \frac{Q}{2} \text{ min } \theta = \frac{\lambda}{2} + 2$$

$$\Delta 2 = \frac{Q}{4} \text{ min } \theta = \frac{\lambda}{2} + 2$$

$$\Delta 2 = \frac{Q}{4} \text{ min } \theta = \frac{\lambda}{2} + 2$$

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