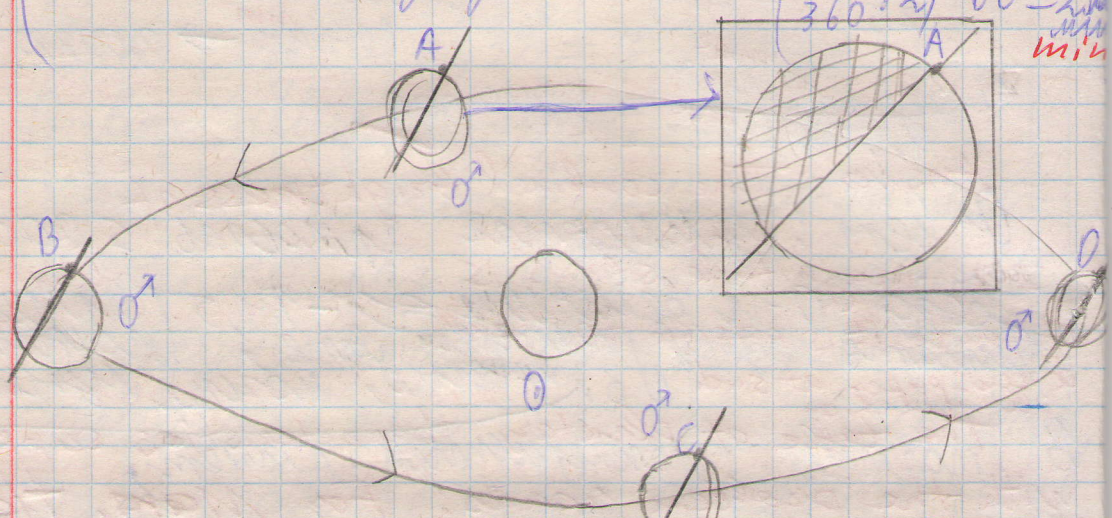
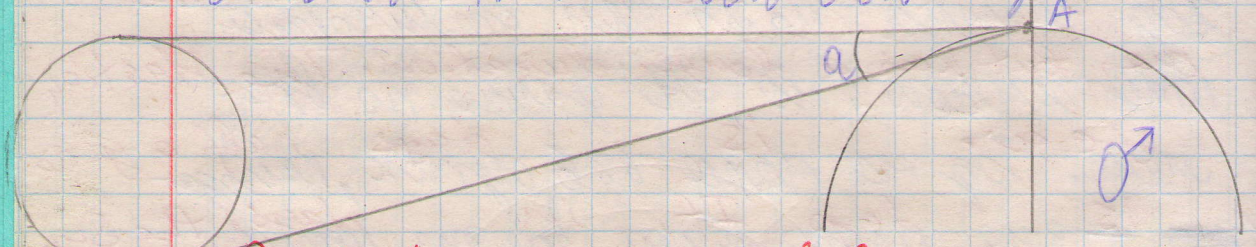


Were the tilt of the Martian axis zero, the rise would last for:  
 For, no bearing given for:  $(\frac{25}{360} \cdot 2) \cdot 60 = 2$  min



Point A: sunrise and the bear  
 B move A - bearing is negligible

For the case of zero tilt:  
 Sun on horizon on own horizon:



Point A: sunrise and bear  
 B move A - bearing is negligible

$\angle A = 0,5^\circ$   
 Answer: The Martian sunrise lasts for  
 Problem: Bearing is negligible  
 for zero tilt of the axis, (upward horizon on  $-2^m$ ).