

$$\boxed{19} \quad \alpha = 90^\circ - 85^\circ 23' 45'' = 89^\circ 59' 60'' - 85^\circ 23' 45'' = 4^\circ 36' 15''$$
$$\beta = 180^\circ - 85^\circ 23' 45'' = 179^\circ 59' 60'' - 85^\circ 23' 45'' = 94^\circ 36' 15''$$