



From cosine rule: get Waypoint latitude Lat_wpt

$$\cos(\text{colat_wpt}) = \cos D \cos(\text{colat_dep}) + \sin D \sin(\text{colat_dep}) \cos C$$

or, $\sin(\text{Lat_wpt}) = \cos D \sin(\text{Lat_dep}) + \sin D \cos(\text{Lat_dep}) \cos C$

↓

cell G1 → Lat_wpt (cell G2) is now known → cell B6

From sine rule: get Longitude difference dLo

$$\frac{\sin dLo}{\sin D} = \frac{\sin C}{\sin(\text{colat_wpt})}$$

$$\sin dLo = \sin D \sin C / \sin(\text{colat_wpt}) , \text{ or,}$$

$$\sin dLo = \sin D \sin C / \cos(\text{Lat_wpt})$$

↓

cell G3 → dLo (cell G4) is now known → cell B7