

SEXTVM PROBLEMA,

Ad rem igitur redeuntes, posteaquam ex altero duorum antecedentium documentorum, tertio scilicet vel quarto, didicimus ascensionem rectam stellæ propositæ, quæremus eam in tabula ascensionum rectarum ab Ariete incipientium, & ex directo eius in capite quidem tabulæ signum, in latere autem gradum eiusdem signi, cum quo stella talis mediat cœlum, duplici etiam introitu si opus fuerit offendemus. Talis enim ascensio recta communis est stellæ propositæ, & gradui vel puncto eclipticæ, cum quo ipsa mediat cœlum.

Huius autem problematis exemplum si desideras, ad præcedens refugiendum est problema.

SEPTIMVM PROBLEMA.

Arcui eclipticæ quantocunq; in omni regione, cuius latitudo 60. gradus non excedit, ascensionem obliquam per computum certum deputare.

Cognita latitudine regionis ad quam operari instituis, aut eleuatione poli supra Horizontem quemcunq; voles, intra tabulam ascensionum obliquarum ei subiectam, cum signo & gradu finali arcus propositi, & in angulo communi habebis ascensionem obliquam respondentem arcui eclipticæ proposito, computandam quidem à sectione vernali, si arcus eclipticæ datus ab eadem sectione sumpsit initium.

Si verò aliunde arcum quempiam eclipticæ inchoaueris, quære primo ascensionem obliquam principio eius debitam, secundum modum iam nunc traditum: deinceps pariformiter ascensionem obliquam fini eius attinentem addiscas. Subtracta enim ascensione obliqua principij ab ascensione obliqua finis eius, accommodato integro circulo si opus fuerit, relinquetur ascensio obliqua arcus propositi.

Memento tamen agendum esse duplici introitu, ut assolet, si quæ ultra gradus integros minuta fuerint in arcu eclipticæ proposito.

Si deniq; eleuatio poli minuta quædam habuerit, operare primo per eleuationem poli, proximo minorem, secundum modum iam expositum.

Deinde per latitudinem proximo maiorem, & inuenta duplici ascensione obliqua ad eundem arcum eclipticæ, minorem deme ex maiore, relicta namq; differentia respondebit vni gradui eleuationis poli, de qua accipe partem proportionalem, secundum proportionem minorum ultra gradus integros eleuationis poli existentium ad 60.

Hanc itaq; partem proportionalem adde ascensioni obliquæ primæ, si ipsa minor extiterit ascensione obliqua secunda, aut ab ea minue si ipsa prima superaue-
Exem- rit secundam. Nam quod alter horum modorum eueniet, ascensionem obliquam numerabit quam quærebas. In exemplo facilius accipies.

Habeat arcus quidam eclipticæ 12. gradus & 15. minuta Virginis, volo inue-

<p><i>poly 47</i></p> <table style="border-collapse: collapse;"> <tr><td style="border-right: 1px solid black; padding: 2px;">13</td><td style="padding: 2px;">157</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">12</td><td style="padding: 2px;">155</td></tr> <tr><td colspan="2" style="border-top: 1px solid black; padding: 2px;">1</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">20</td><td style="padding: 2px;">30</td></tr> </table>	13	157	12	155	1		20	30	<p><i>poly 40</i></p> <table style="border-collapse: collapse;"> <tr><td style="border-right: 1px solid black; padding: 2px;">7</td><td style="padding: 2px;">156</td><td style="padding: 2px;">51</td><td style="padding: 2px;">12</td><td style="padding: 2px;">15</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">46</td><td style="padding: 2px;">155</td><td style="padding: 2px;">27</td><td style="padding: 2px;">12</td><td style="padding: 2px;">1</td></tr> <tr><td colspan="5" style="border-top: 1px solid black; padding: 2px;">1</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">21</td><td style="padding: 2px;">24</td><td style="padding: 2px;">15</td><td colspan="2"></td></tr> </table>	7	156	51	12	15	46	155	27	12	1	1					21	24	15			<table style="border-collapse: collapse;"> <tr><td style="border-right: 1px solid black; padding: 2px;">40</td><td style="padding: 2px;">155</td><td style="padding: 2px;">40</td><td style="padding: 2px;">0</td><td style="padding: 2px;">47</td><td style="padding: 2px;">45</td><td style="padding: 2px;">nire</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">47</td><td style="padding: 2px;">156</td><td style="padding: 2px;">6</td><td style="padding: 2px;">30</td><td style="padding: 2px;">47</td><td colspan="2"></td></tr> <tr><td colspan="7" style="border-top: 1px solid black; padding: 2px;">18 30</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">1</td><td style="padding: 2px;">11</td><td style="padding: 2px;">45</td><td colspan="4"></td></tr> <tr><td colspan="7" style="border-top: 1px solid black; padding: 2px;">13 52 30</td></tr> </table>	40	155	40	0	47	45	nire	47	156	6	30	47			18 30							1	11	45					13 52 30							<table style="border-collapse: collapse;"> <tr><td style="border-right: 1px solid black; padding: 2px;">0</td><td style="padding: 2px;">156</td><td style="padding: 2px;">6</td><td style="padding: 2px;">30</td><td style="padding: 2px;">11</td></tr> <tr><td colspan="5" style="border-top: 1px solid black; padding: 2px;">19 52 30</td></tr> <tr><td style="border-right: 1px solid black; padding: 2px;">1</td><td style="padding: 2px;">11</td><td style="padding: 2px;">45</td><td colspan="2"></td></tr> <tr><td colspan="5" style="border-top: 1px solid black; padding: 2px;">13 52 30</td></tr> </table>	0	156	6	30	11	19 52 30					1	11	45			13 52 30				
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