# Tables de conversion

- Degrés séxagésimaux en degrés décimaux

- Degres en neures	
1 – Degrés et minutes en heures décimales (angles en temps)	•
2 – Minutes et secondes en heures décimales (temps en temps)	•
3 – Minutes et dixièmes de minutes en degrés décimaux (angles en angles)	•
4 – Minutes et secondes en angles horaires (temps en angles)	•
5 – Degrés décimauy (< 1) en minutes d'arc (angle en angle)	



### Usage:

#### Convertir une longitude en heures

Exemple, 127°54'W

Table "1 – Degrés et minutes en heures décimales", colonne 127, ligne 54 on trouve 8.526667 heures.

Table "2 – Minutes et secondes en heures décimales",

On isole la partie décimale, à savoir 0.526667

on cherche à l'intérieur de la table la valeur la plus proche de 0.526667.

On trouve 0.526389 dans la colonne 31 à la ligne 35

Ainsi 127°54' correspond à 8 heures 31 minutes 35 seconds.

#### Convertir l'heure de la culmination en degrés

Exemple, 8h 31m 41s

Table "2 – Minutes et secondes en heures décimales", colonne 31, ligne 41

on trouve 0.528056, donc 0h 31m 41s = 0.528056 h

Table "1 – Degrés et minutes en heures décimales", on cherche 0.528056 à l'intérieur

On trouve 0.527778 colonne 7° ligne 55'

Table "1 - Degrés et minutes en heures décimales", on cherche 8.0000 à l'intérieur

On le trouve dans la colonne 120°, ligne 0'

On fait la somme 120° + 7°55′, on trouve 127°55′

Donc 8h 31m 41s = 127°55'

#### Convertir minutes et secondes (de temps) en heures décimales

Par exemple pour extrapoler l'angle horaire ou la déclinaison à l'heure ronde inférieure À quelle fraction d'heure correspondent 47m 38s ?

Table "2 – Minutes et secondes en heures décimales", colonne 47, ligne 38

On trouve 0.793889

Donc 47m 38s = 0.793889 h

# Convertir des degrés décimaux en dégres-minutes

Exemple, 11.908832° = ?

On isole la partie décimale, à savoir 0.908832

Table "3 – Minutes et dixièmes de minutes en degrés décimaux", à l'intérieur

On trouve 0.9088333 dans la colonne 54 à la ligne 0.50

Donc 11.9088332° = 11°54.5'

#### Convertir minutes et secondes en angle horaire

Par exemple pour extrapoler l'angle horaire du Soleil, des étoiles ou des planètes (15° par heure) Il est 15h 9m 20s. On a obtenu l'angle horaire à l'heure ronde inférieure, à savoir 15 heures On veut savoir à quel angle à ajouter correspondent 9m 20s

Table "4 – Minutes et secondes en angles horaires (temps en angles)", colonne 9 ligne 20 On trouve 2°20.00'

Donc 9m 20s = 2°20.00' d'angle horaire

#### Convertir la partie décimale d'un degré en minutes et centièmes de minute

Par exemple, la variation d'un angle horaire est 4.529545°. que représentent 0.529545°, en minutes ?

Table "5 – Degrés décimaux (< 1) en minutes d'arc (angle en angle)", on cherche à l'intérieur le nombre le plus proche de 0.529545. On lit les minutes en haut, les centièmes de minute à gauche On trouve 31.77

Donc 4.529545° = 4°31.77'



1

minutes 9 0.066667 0.200000 0.266667 0.000000 0.133333 0.333333 0.400000 0.466667 0.533333 0.600000 0 0.001111 0.067778 0.134444 0.201111 0.267778 0.334444 0.401111 0.467778 0.534444 0.601111 2 0.002222 0.068889 0.135556 0.202222 0.268889 0.335556 0.402222 0.468889 0.535556 0.602222 0.470000 3 0.003333 0.070000 0.136667 0.203333 0.270000 0.336667 0.403333 0.536667 0.603333 4 0.004444 0.071111 0.137778 0.204444 0.271111 0.337778 0.404444 0.471111 0.537778 0.604444 5 0.005556 0.072222 0.138889 0.205556 0.272222 0.338889 0.405556 0.472222 0.538889 0.605556 6 0.006667 0.140000 0.206667 0.340000 0.406667 0.540000 0.073333 0.273333 0.473333 0.606667 7 0.007778 0.074444 0.141111 0.207778 0.274444 0.34111 0.407778 0.474444 0.541111 0.607778 8 0.008889 0.075556 0.142222 0.208889 0.275556 0.342222 0.408889 0.475556 0.542222 0.608889 0.276667 0.476667 0.010000 0.076667 0.143333 0.210000 0.410000 0.543333 0.610000 9 0.343333 10 0.011111 0.077778 0.144444 0.211111 0.277778 0.344444 0.411111 0.477778 0.544444 0.611111 11 0.012222 0.078889 0.145556 0.212222 0.278889 0.345556 0.412222 0.478889 0.545556 0.612222 12 0.013333 0.080000 0.146667 0.213333 0.280000 0.34666 0.41333 0.480000 0.546667 0.613333 13 0.014444 0.147778 0.214444 0.281111 0.347778 0.414444 0.547778 0.614444 0.081111 0.481111 14 0.015556 0.082222 0.148889 0.215556 0.282222 0.348889 0.415556 0.482222 0.548889 0.615556 15 0.016667 0.083333 0.150000 0.216667 0.283333 0.350000 0.416667 0.483333 0.550000 0.616667 16 0.017778 0.084444 0.151111 0.217778 0.284444 0.351111 0.417778 0.484444 0.551111 0.617778 17 0.018889 0.085556 0.152222 0.218889 0.285556 0.352222 0.41888 0.485556 0.552222 0.618889 18 0.020000 0.086667 0.153333 0.220000 0.286667 0.353333 0.420000 0.486667 0.553333 0.620000 0.221111 0.354444 0.621111 0.154444 0.421111 19 0.021111 0.087778 0.287778 0.487778 0.554444 20 0.022222 0.088889 0.155556 0.222222 0.288889 0.355556 0.422222 0.488889 0.555556 0.622222 21 0.023333 0.090000 0.156667 0.223333 0.356667 0.623333 0.290000 0.423333 0.490000 0.556667 22 0.024444 0.091111 0.157778 0.224444 0.291111 0.357778 0.424444 0.491111 0.557778 0.624444 23 0.025556 0.158889 0.225556 0.425556 0.558889 0.625556 0.092222 0.292222 0.358889 0.492222 24 0.026667 0.093333 0.160000 0.226667 0.293333 0.360000 0.426667 0.493333 0.560000 0.626667 25 0.027778 0.094444 0.161111 0.227778 0.294444 0.361111 0.427778 0.494444 0.561111 0.627778 26 0.295556 0.628889 0.028889 0.095556 0.162222 0.228889 0.362222 0.428889 0.495556 0.562222 27 0.030000 0.096667 0.163333 0.230000 0.296667 0.363333 0.430000 0.496667 0.563333 0.630000 28 0.031111 0.097778 0.164444 0.231111 0.297778 0.364444 0.431111 0.497778 0.564444 0.631111 29 0.032222 0.098889 0.165556 0.232222 0.298889 0.365556 0.432222 0.498889 0.565556 0.632222 30 0.033333 0.100000 0.166667 0.233333 0.300000 0.366667 0.433333 0.500000 0.566667 0.633333 31 0.034444 0.234444 0.434444 0.101111 0.167778 0.301111 0.367778 0.501111 0.567778 0.634444 32 0.035556 0.102222 0.168889 0.235556 0.302222 0.368888 0.435556 0.502222 0.568888 0.635556 33 0.036667 0.103333 0.170000 0.236667 0.303333 0.370000 0.436667 0.503333 0.570000 0.636667 34 0.037778 0.104444 0.171111 0.237778 0.304444 0.371111 0.437778 0.504444 0.571111 0.637778 35 0.038889 0.105556 0.172222 0.238889 0.305556 0.372222 0.438889 0.505556 0.572222 0.638889 0.106667 0.306667 0.506667 36 0.040000 0.173333 0.240000 0.440000 0.640000 0.373333 0.573333 37 0.041111 0.107778 0.174444 0.241111 0.307778 0.374444 0.441111 0.507778 0.574444 0.641111 38 0.042222 0.108889 0.175556 0.242222 0.308889 0.375556 0.442222 0.508889 0.575556 0.642222 0.443333 39 0.043333 0.110000 0.176667 0.243333 0.310000 0.510000 0.643333 0.376667 0.576667 40 0.044444 0.177778 0.244444 0.311111 0.377778 0.444444 0.511111 0.577778 0.644444 0.111111 41 0.045556 0.178889 0.245556 0.445556 0.645556 0.112222 0.312222 0.378889 0.512222 0.578889 42 0.046667 0.113333 0.180000 0.246667 0.313333 0.380000 0.446667 0.513333 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0.258889 0.325556 0.392222 0.525556 0.592222 54 0.060000 0.126667 0.193333 0.260000 0.326667 0.393333 0.460000 0.526667 0.593333 0.660000 55 0.061111 0.127778 0.194444 0.261111 0.327778 0.394444 0.461111 0.527778 0.594444 0.661111 56 0.062222 0.128889 0.195556 0.262222 0.328889 0.395556 0.46222 0.528889 0.595556 0.662222 57 0.063333 0.130000 0.196667 0.263333 0.330000 0.396667 0.46333 0.530000 0.596667 0.663333 58 0.064444 0.131111 0.197778 0.264444 0.331111 0.397778 0.464444 0.531111 0.597778 0.664444 59 0.065556 0.132222 0.198889 0.265556 0.332222 0.398889 0.465556 0.532222 0.598889 0.665556

	17 1.133333	18	19
	1.133333	4 200000	
		1.200000	1.266667
1   0.667778   0.734444   0.801111   0.867778   0.934444   1.001111   1.067778	1.134444	1.201111	1.267778
	1.135556	1.202222	1.268889
	1.136667	1.203333	1.270000
	1.137778	1.204444	1.271111
	1.138889	1.205556	1.272222
	1.140000	1.206667	1.273333
	1.141111	1.207778	1.274444
	1.142222	1.208889	1.275556
	1.143333	1.210000	1.276667
10 0.677778 0.744444 0.811111 0.877778 0.944444 1.011111 1.077778	1.144444	1.211111	1.277778
11 0.678889 0.745556 0.812222 0.878889 0.945556 1.012222 1.078889	1.145556	1.212222	1.278889
12 0.680000 0.746667 0.813333 0.880000 0.946667 1.013333 1.080000	1.146667	1.213333	1.280000
13 0.681111 0.747778 0.814444 0.881111 0.947778 1.014444 1.081111	1.147778	1.214444	1.281111
	1.148889	1.215556	1.282222
	1.150000	1.216667	1.283333
	1.151111	1.217778	1.284444
	1.152222	1.218889	1.285556
	1.153333	1.220000	1.286667
		1.221111	
	1.154444		1.287778
	1.155556	1.222222	1.288889
	1.156667	1.223333	1.290000
	1.157778	1.224444	1.291111
	1.158889	1.225556	1.292222
	1.160000	1.226667	1.293333
25 0.694444 0.761111 0.827778 0.894444 0.961111 1.027778 1.094444	1.161111	1.227778	1.294444
26 0.695556 0.762222 0.828889 0.895556 0.962222 1.028889 1.095556	1.162222	1.228889	1.295556
27 0.696667 0.763333 0.830000 0.896667 0.963333 1.030000 1.096667	1.163333	1.230000	1.296667
28 0.697778 0.764444 0.831111 0.897778 0.964444 1.031111 1.097778	1.164444	1.231111	1.297778
29 0.698889 0.765556 0.832222 0.898889 0.965556 1.032222 1.098889	1.165556	1.232222	1.298889
	1.166667	1.233333	1.300000
	1.167778	1.234444	1.301111
	1.168889	1.235556	1.302222
	1.170000	1.236667	1.303333
	1.171111	1.237778	1.304444
	1.172222	1.238889	1.305556
		1.240000	
	1.173333		1.306667
	1.174444	1.241111	1.307778
	1.175556	1.242222	1.308889
	1.176667	1.243333	1.310000
	1.177778	1.244444	1.311111
41 0.712222 0.778889 0.845556 0.912222 0.978889 1.045556 1.112222	1.178889	1.245556	1.312222
	1.180000	1.246667	1.313333
43 0.714444 0.781111 0.847778 0.914444 0.981111 1.047778 1.114444	1.181111	1.247778	1.314444
44 0.715556 0.782222 0.848889 0.915556 0.982222 1.048889 1.115556	1.182222	1.248889	1.315556
45 0.716667 0.783333 0.850000 0.916667 0.983333 1.050000 1.116667	1.183333	1.250000	1.316667
46 0.717778 0.784444 0.851111 0.917778 0.984444 1.051111 1.117778	1.184444	1.251111	1.317778
47 0.718889 0.785556 0.852222 0.918889 0.985556 1.052222 1.118889	1.185556	1.252222	1.318889
	1.186667	1.253333	1.320000
	1.187778	1.254444	1.321111
	1.188889	1.255556	1.322222
	1.190000	1.256667	1.323333
	1.191111	1.257778	1.324444
	1.192222	1.258889	1.325556
	1.193333	1.260000	1.326667
	1.194444	1.261111	1.327778
	1.195556	1.262222	1.328889
	1.196667	1.263333	1.330000
	1.197778	1.264444	1.331111
59 0.732222 0.798889 0.865556 0.932222 0.998889 1.065556 1.132222	1.198889	1.265556	1.332222

	degrés									
minutes	20	21	22	23	24	25	26	27	28	29
0	1.333333	1.400000	1.466667	1.533333	1.600000	1.666667	1.733333	1.800000	1.866667	1.933333
1	1.334444	1.401111	1.467778	1.534444	1.601111	1.667778	1.734444	1.801111	1.867778	1.934444
2	1.335556	1.402222	1.468889	1.535556	1.602222	1.668889	1.735556	1.802222	1.868889	1.935556
3	1.336667	1.403333	1.470000	1.536667	1.603333	1.670000	1.736667	1.803333	1.870000	1.936667
4	1.337778	1.404444	1.471111	1.537778	1.604444	1.671111	1.737778	1.804444	1.871111	1.937778
5	1.338889	1.405556	1.472222	1.538889	1.605556	1.672222	1.738889	1.805556	1.872222	1.938889
6	1.340000	1.406667	1.473333	1.540000	1.606667	1.673333	1.740000	1.806667	1.873333	1.940000
7	1.341111	1.407778	1.474444	1.541111	1.607778	1.674444	1.741111	1.807778	1.874444	1.941111
8	1.342222	1.408889	1.475556	1.542222	1.608889	1.675556	1.742222	1.808889	1.875556	1.942222
9	1.343333	1.410000	1.476667	1.543333	1.610000	1.676667	1.743333	1.810000	1.876667	1.943333
10	1.344444	1.411111	1.477778	1.544444	1.611111	1.677778	1.744444	1.811111	1.877778	1.944444
11	1.345556	1.412222	1.478889	1.545556	1.612222	1.678889	1.745556	1.812222	1.878889	1.945556
12	1.346667	1.413333	1.480000	1.546667	1.613333	1.680000	1.746667	1.813333	1.880000	1.946667
13	1.347778	1.414444	1.481111	1.547778	1.614444	1.681111	1.747778	1.814444	1.881111	1.947778
14	1.348889	1.415556	1.482222	1.548889	1.615556	1.682222	1.748889	1.815556	1.882222	1.948889
15	1.350000	1.416667	1.483333	1.550000	1.616667	1.683333	1.750000	1.816667	1.883333	1.950000
16	1.351111	1.417778	1.484444	1.551111	1.617778	1.684444	1.751111	1.817778	1.884444	1.951111
17	1.352222	1.418889		1.552222	1.618889	1.685556	1.752222	1.818889	1.885556	1.952222
			1.485556							
18	1.353333	1.420000	1.486667	1.553333	1.620000	1.686667	1.753333	1.820000	1.886667	1.953333
19	1.354444	1.421111	1.487778	1.554444	1.621111	1.687778	1.754444	1.821111	1.887778	1.954444
20	1.355556	1.422222	1.488889	1.555556	1.622222	1.688889	1.755556	1.822222	1.888889	1.955556
21	1.356667	1.423333	1.490000	1.556667	1.623333	1.690000	1.756667	1.823333	1.890000	1.956667
22	1.357778	1.424444	1.491111	1.557778	1.624444	1.691111	1.757778	1.824444	1.891111	1.957778
23	1.358889	1.425556	1.492222	1.558889	1.625556	1.692222	1.758889	1.825556	1.892222	1.958889
24	1.360000	1.426667	1.493333	1.560000	1.626667	1.693333	1.760000	1.826667	1.893333	1.960000
25	1.361111	1.427778	1.494444	1.561111	1.627778	1.694444	1.761111	1.827778	1.894444	1.961111
26	1.362222	1.428889	1.495556	1.562222	1.628889	1.695556	1.762222	1.828889	1.895556	1.962222
27	1.363333	1.430000	1.496667	1.563333	1.630000	1.696667	1.763333	1.830000	1.896667	1.963333
28	1.364444	1.431111	1.497778	1.564444	1.631111	1.697778	1.764444	1.831111	1.897778	1.964444
29	1.365556	1.432222	1.498889	1.565556	1.632222	1.698889	1.765556	1.832222	1.898889	1.965556
30	1.366667	1.433333	1.500000	1.566667	1.633333	1.700000	1.766667	1.833333	1.900000	1.966667
31	1.367778	1.434444	1.501111	1.567778	1.634444	1.701111	1.767778	1.834444	1.901111	1.967778
						1.701111				
32	1.368889	1.435556	1.502222	1.568889	1.635556		1.768889	1.835556	1.902222	1.968889
33	1.370000	1.436667	1.503333	1.570000	1.636667	1.703333	1.770000	1.836667	1.903333	1.970000
34	1.371111	1.437778	1.504444	1.571111	1.637778	1.704444	1.771111	1.837778	1.904444	1.971111
35	1.372222	1.438889	1.505556	1.572222	1.638889	1.705556	1.772222	1.838889	1.905556	1.972222
36	1.373333	1.440000	1.506667	1.573333	1.640000	1.706667	1.773333	1.840000	1.906667	1.973333
37	1.374444	1.441111	1.507778	1.574444	1.641111	1.707778	1.774444	1.841111	1.907778	1.974444
38	1.375556	1.442222	1.508889	1.575556	1.642222	1.708889	1.775556	1.842222	1.908889	1.975556
39	1.376667	1.443333	1.510000	1.576667	1.643333	1.710000	1.776667	1.843333	1.910000	1.976667
40	1.377778	1.444444	1.511111	1.577778	1.644444	1.711111	1.777778	1.844444	1.911111	1.977778
41	1.378889	1.445556	1.512222	1.578889	1.645556	1.712222	1.778889	1.845556	1.912222	1.978889
42	1.380000	1.446667	1.513333	1.580000	1.646667	1.713333	1.780000	1.846667	1.913333	1.980000
43	1.381111	1.447778	1.514444	1.581111	1.647778	1.714444	1.781111	1.847778	1.914444	1.981111
44	1.382222	1.448889	1.515556	1.582222	1.648889	1.715556	1.782222	1.848889	1.915556	1.982222
45	1.383333	1.450000	1.516667	1.583333	1.650000	1.716667	1.783333	1.850000	1.916667	1.983333
46	1.384444	1.451111	1.517778	1.584444	1.651111	1.717778	1.784444	1.851111	1.917778	1.984444
	-									1.985556
47	1.385556	1.452222	1.518889	1.585556	1.652222	1.718889	1.785556	1.852222	1.918889	
48	1.386667	1.453333	1.520000	1.586667	1.653333	1.720000	1.786667	1.853333	1.920000	1.986667
49	1.387778	1.454444	1.521111	1.587778	1.654444	1.721111	1.787778	1.854444	1.921111	1.987778
50	1.388889	1.455556	1.522222	1.588889	1.655556	1.722222	1.788889	1.855556	1.922222	1.988889
51	1.390000	1.456667	1.523333	1.590000	1.656667	1.723333	1.790000	1.856667	1.923333	1.990000
52	1.391111	1.457778	1.524444	1.591111	1.657778	1.724444	1.791111	1.857778	1.924444	1.991111
53	1.392222	1.458889	1.525556	1.592222	1.658889	1.725556	1.792222	1.858889	1.925556	1.992222
54	1.393333	1.460000	1.526667	1.593333	1.660000	1.726667	1.793333	1.860000	1.926667	1.993333
55	1.394444	1.461111	1.527778	1.594444	1.661111	1.727778	1.794444	1.861111	1.927778	1.994444
56	1.395556	1.462222	1.528889	1.595556	1.662222	1.728889	1.795556	1.862222	1.928889	1.995556
57	1.396667	1.463333	1.530000	1.596667	1.663333	1.730000	1.796667	1.863333	1.930000	1.996667
58	1.397778	1.464444	1.531111	1.597778	1.664444	1.731111	1.797778	1.864444	1.931111	1.997778
59						1.732222	- 1			
59	1.398889	1.465556	1.532222	1.598889	1.665556	1.132222	1.798889	1.865556	1.932222	1.998889

	degrés									
minutes	30	31	32	33	34	35	36	37	38	39
0	2.000000	2.066667	2.133333	2.200000	2.266667	2.333333	2.400000	2.466667	2.533333	2.600000
1	2.001111	2.067778	2.134444	2.201111	2.267778	2.334444	2.401111	2.467778	2.534444	2.601111
2	2.002222	2.068889	2.135556	2.202222	2.268889	2.335556	2.402222	2.468889	2.535556	2.602222
3	2.003333	2.070000	2.136667	2.203333	2.270000	2.336667	2.403333	2.470000	2.536667	2.603333
4	2.004444	2.071111	2.137778	2.204444	2.271111	2.337778	2.404444	2.471111	2.537778	2.604444
5	2.005556	2.072222	2.138889	2.205556	2.272222	2.338889	2.405556	2.472222	2.538889	2.605556
6	2.006667	2.073333	2.140000	2.206667	2.273333	2.340000	2.406667	2.473333	2.540000	2.606667
7	2.007778	2.074444	2.141111	2.207778	2.274444	2.341111	2.407778	2.474444	2.541111	2.607778
8	2.008889	2.075556	2.142222	2.208889	2.275556	2.342222	2.408889	2.475556	2.542222	2.608889
9	2.010000	2.076667	2.143333	2.210000	2.276667	2.343333	2.410000	2.476667	2.543333	2.610000
10	2.011111	2.077778	2.144444	2.211111	2.277778	2.344444	2.411111	2.477778	2.544444	2.611111
11	2.012222	2.078889	2.145556	2.212222	2.278889	2.345556	2.412222	2.478889	2.545556	2.612222
12	2.013333	2.080000	2.146667	2.213333	2.280000	2.346667	2.413333	2.480000	2.546667	2.613333
13	2.014444	2.081111	2.147778	2.214444	2.281111	2.347778	2.414444	2.481111	2.547778	2.614444
14	2.015556	2.082222	2.148889	2.215556	2.282222	2.348889	2.415556	2.482222	2.548889	2.615556
15	2.016667	2.083333	2.150000	2.216667	2.283333	2.350000	2.416667	2.483333	2.550000	2.616667
16	2.017778	2.084444	2.151111	2.217778	2.284444	2.351111	2.417778	2.484444	2.551111	2.617778
17	2.018889	2.085556	2.152222	2.218889	2.285556	2.352222	2.418889	2.485556	2.552222	2.618889
18	2.020000	2.086667	2.153333	2.220000	2.286667	2.353333	2.420000	2.486667	2.553333	2.620000
19	2.021111	2.087778	2.154444	2.221111	2.287778	2.354444	2.421111	2.487778	2.554444	2.621111
20	2.022222	2.088889	2.155556	2.222222	2.288889	2.355556	2.422222	2.488889	2.555556	2.622222
21	2.023333	2.090000	2.156667	2.223333	2.290000	2.356667	2.423333	2.490000	2.556667	2.623333
22	2.024444	2.091111	2.157778	2.224444	2.291111	2.357778	2.424444	2.491111	2.557778	2.624444
23	2.025556	2.092222	2.158889	2.225556	2.292222	2.358889	2.425556	2.492222	2.558889	2.625556
24	2.026667	2.093333	2.160000	2.226667	2.293333	2.360000	2.426667	2.493333	2.560000	2.626667
25	2.027778	2.094444	2.161111	2.227778	2.294444	2.361111	2.427778	2.494444	2.561111	2.627778
26	2.028889	2.095556	2.162222	2.228889	2.295556	2.362222	2.428889	2.495556	2.562222	2.628889
27	2.030000	2.096667	2.163333	2.230000	2.296667	2.363333	2.430000	2.496667	2.563333	2.630000
28	2.031111	2.097778	2.164444	2.231111	2.297778	2.364444	2.431111	2.497778	2.564444	2.631111
29	2.032222	2.098889	2.165556	2.232222	2.298889	2.365556	2.432222	2.498889	2.565556	2.632222
30	2.033333	2.100000	2.166667	2.233333	2.300000	2.366667	2.433333	2.500000	2.566667	2.633333
31	2.033333	2.100000	2.167778	2.2334444	2.300000	2.367778	2.4334444	2.501111	2.567778	2.634444
32	2.035556	2.101111	2.168889	2.235556	2.302222	2.368889	2.435556	2.502222	2.568889	2.635556
33	2.035550	2.102222	2.170000	2.236667	2.303333	2.370000	2.436667	2.503333	2.570000	2.636667
34	2.030007	2.103333	2.170000	2.237778	2.303333	2.371111	2.437778	2.504444	2.571111	2.637778
3 <del>4</del> 35	2.038889	2.105556	2.171111	2.238889	2.305556	2.371111	2.437776	2.505556	2.572222	2.638889
36	2.040000	2.105550	2.172222	2.240000	2.306667	2.373333	2.440000	2.506667	2.573333	2.640000
37	2.040000	2.100007	2.173333	2.241111	2.307778	2.374444	2.441111	2.507778	2.574444	2.641111
38	2.041111	2.107778	2.174444	2.241111	2.308889	2.375556	2.441111	2.508889	2.575556	2.642222
39	2.042222		2.175556	2.242222		2.376667	2.442222	2.510000	2.576667	2.643333
39 40	2.043333	2.110000		2.243333	2.310000		2.444444			
	-	2.111111	2.177778		2.311111	2.377778		2.511111	2.577778	2.644444
41 42	2.045556	2.112222	2.178889	2.245556	2.312222 2.313333	2.378889 2.380000	2.445556	2.512222 2.513333	2.578889	2.645556
	2.046667	2.113333	2.180000	2.246667 2.247778	2.313333		2.446667		2.580000	2.646667
43 44	2.047778	2.114444	2.181111			2.381111 2.382222	2.447778	2.514444	2.581111 2.582222	2.647778
	2.048889	2.115556	2.182222	2.248889	2.315556		2.448889	2.515556		2.648889
45 46	2.050000	2.116667	2.183333	2.250000	2.316667	2.383333	2.450000	2.516667	2.583333	2.650000
46	2.051111	2.117778	2.184444	2.251111	2.317778	2.384444	2.451111	2.517778	2.584444	2.651111
47	2.052222	2.118889	2.185556	2.252222	2.318889	2.385556	2.452222	2.518889	2.585556	2.652222
48	2.053333	2.120000	2.186667	2.253333	2.320000	2.386667	2.453333	2.520000	2.586667	2.653333
49	2.054444	2.121111	2.187778	2.254444	2.321111	2.387778	2.454444	2.521111	2.587778	2.654444
50	2.055556	2.122222	2.188889	2.255556	2.322222	2.388889	2.455556	2.522222	2.588889	2.655556
51	2.056667	2.123333	2.190000	2.256667	2.323333	2.390000	2.456667	2.523333	2.590000	2.656667
52	2.057778	2.124444	2.191111	2.257778	2.324444	2.391111	2.457778	2.524444	2.591111	2.657778
53	2.058889	2.125556	2.192222	2.258889	2.325556	2.392222	2.458889	2.525556	2.592222	2.658889
54	2.060000	2.126667	2.193333	2.260000	2.326667	2.393333	2.460000	2.526667	2.593333	2.660000
55	2.061111	2.127778	2.194444	2.261111	2.327778	2.394444	2.461111	2.527778	2.594444	2.661111
56	2.062222	2.128889	2.195556	2.262222	2.328889	2.395556	2.462222	2.528889	2.595556	2.662222
57	2.063333	2.130000	2.196667	2.263333	2.330000	2.396667	2.463333	2.530000	2.596667	2.663333
58	2.064444	2.131111	2.197778	2.264444	2.331111	2.397778	2.464444	2.531111	2.597778	2.664444
59	2.065556	2.132222	2.198889	2.265556	2.332222	2.398889	2.465556	2.532222	2.598889	2.665556

49 minutes 46 47 48 2.666667 2 733333 2.800000 2.866667 2.933333 3.000000 3.066667 3 133333 3 200000 3.266667 0 2.667778 2.734444 2.801111 2.867778 2.934444 3.001111 3.067778 3.134444 3.201111 3.267778 3.135556 2 2.668889 2.735556 2.802222 2 868889 2.935556 3.002222 3.068889 3.202222 3.268889 2.670000 2.870000 3.070000 3.136667 3.270000 3 2 736667 2 803333 2 936667 3 003333 3 203333 4 2.671111 2.737778 2.804444 2.871111 2.937778 3.004444 3.071111 3.137778 3.204444 3.271111 5 2.672222 2.738889 2.805556 2.872222 2.938889 3.005556 3.072222 3.138889 3.205556 3.272222 6 2.673333 2.740000 2.806667 2.873333 2.940000 3.073333 3.140000 3.206667 3.273333 3.006667 7 2.674444 2.74111 2.807778 2.874444 2.941111 3.007778 3.074444 3.141111 3.207778 3.274444 8 2.675556 2.742222 2.808889 2.875556 2.942222 3.008889 3.075556 3.142222 3.208889 3.275556 3.276667 2.676667 2.743333 2.810000 2.876667 2.943333 3.010000 3.076667 3.143333 3.210000 9 10 2.677778 2.744444 2.811111 2.877778 2.944444 3.011111 3.077778 3.144444 3.211111 3.277778 11 2.678889 2.745556 2.812222 2.878889 2.945556 3.012222 3.078889 3.145556 3.212222 3.278889 2.746667 12 2.680000 2.813333 2.880000 2.946667 3.013333 3.080000 3.146667 3.213333 3.280000 13 2.681111 2.747778 2.814444 2.881111 2.947778 3.014444 3.081111 3.147778 3.214444 3.281111 14 2.682222 2.748889 2.815556 2.882222 2.948889 3.015556 3.08222 3.148889 3.215556 3.282222 15 2.683333 2.750000 2.816667 2.883333 2.950000 3.016667 3.083333 3.150000 3.216667 3.283333 2.684444 2.751111 2.951111 16 2.817778 2 884444 3.017778 3.084444 3.151111 3.217778 3 284444 17 2.685556 2.75222 2.818889 2.885556 2.952222 3.018889 3.085556 3.152222 3.218889 3.285556 18 2.686667 2.753333 2.820000 2.886667 2.953333 3.020000 3.086667 3.220000 3.286667 3.153333 2.887778 2.954444 3.221111 2.687778 2.754444 2.821111 3.021111 3.087778 3.154444 19 3.287778 20 2.688888 2.755556 2.822222 2.888889 2.955556 3.022222 3.088889 3.155556 3.222222 3.288889 21 2.690000 2.823333 2.890000 3.156667 2.756667 2.956667 3.023333 3.090000 3.223333 3.290000 22 2.691111 2.757778 2.824444 2.891111 2.957778 3.024444 3.091111 3.157778 3.224444 3.291111 23 2.825556 2.958889 3.025556 3.092222 3.158889 3.225556 3.292222 2 692222 2 758889 2 892222 24 2.693333 2.760000 2.826667 2.893333 2.960000 3.026667 3.09333 3.160000 3.226667 3.293333 25 2.694444 2.761111 2.827778 2.894444 2.961111 3.027778 3.094444 3.161111 3.227778 3.294444 26 2.695556 2.762222 2.828889 2.895556 2.962222 3.095556 3.295556 3.028889 3.162222 3.228889 27 2.696667 2.763333 2.830000 2.896667 2.963333 3.030000 3.096667 3.163333 3.230000 3.296667 28 2.697778 2.764444 2.831111 2.897778 2.964444 3.031111 3.097778 3.164444 3.231111 3.297778 3.098889 29 2.965556 3.165556 2.698889 2.765556 2.832222 2.898889 3.032222 3.232222 3.298889 30 2.700000 2.766667 2.833333 2.900000 2.966667 3.033333 3.100000 3.166667 3.233333 3.300000 31 2.701111 2.834444 2.901111 2.967778 2.767778 3.034444 3.101111 3.167778 3.234444 3.301111 32 2.702222 2.768889 2.835556 2.902222 2.968889 3.035556 3.102222 3.168889 3.235556 3.302222 33 2.703333 2.770000 2.836667 2.903333 2.970000 3.036667 3.103333 3.170000 3.236667 3.303333 34 2.704444 2.77111 2.837778 2.904444 2.971111 3.037778 3.104444 3.171111 3.237778 3.304444 35 2.705556 2.772222 2.838889 2.905556 2.972222 3.038889 3.105556 3.172222 3.238889 3.305556 2.973333 3.173333 3.306667 36 2.706667 2 840000 2 906667 3.040000 3.106667 3.240000 2.773333 37 2.707778 2.774444 2.841111 2.907778 2.974444 3.041111 3.107778 3.174444 3.241111 3.307778 38 2.708889 2.775556 2.842222 2.908889 2.975556 3.042222 3.108889 3.175556 3.242222 3.308889 2.710000 2.776667 2.910000 2.976667 3.243333 39 2.843333 3.043333 3.110000 3.176667 3.310000 40 2.711111 2.777778 2.844444 2.977778 3.044444 3.111111 3.177778 3.244444 3.311111 2.911111 41 2.845556 2.912222 3.045556 3.245556 2.712222 2.778889 2.978889 3.112222 3.178889 3.312222 42 2.713333 2.780000 2.846667 2.913333 2.980000 3.046667 3.113333 3.180000 3.246667 3.313333 43 2.981111 2 714444 2 781111 2 847778 2 914444 3 047778 3 114444 3 181111 3 247778 3 314444 44 2.715556 2.78222 2.848889 2.915556 2.982222 3.048889 3.115556 3.182222 3.248889 3.315556 45 2.716667 2.783333 2.850000 2.916667 2.983333 3.050000 3.116667 3.183333 3.250000 3.316667 46 2.717778 2.784444 2.851111 2.917778 2.984444 3.051111 3.117778 3.184444 3.251111 3.317778 47 2.718889 2.785556 2.852222 2.918889 2.985556 3.052222 3.118889 3.185556 3.252222 3.318889 48 2.720000 2.786667 2.853333 2.920000 2.986667 3.053333 3.120000 3.186667 3.253333 3.320000 2.787778 2.987778 3.054444 3.254444 49 2.721111 2.854444 2.921111 3.121111 3.187778 3.321111 50 2.722222 2.788889 2.855556 2.922222 2.988889 3.055556 3.122222 3.188889 3.255556 3.322222 2.790000 2.990000 3.256667 51 2.723333 2.856667 2.923333 3.056667 3.123333 3.190000 3.323333 52 2.724444 2.791111 2.857778 2.924444 2.991111 3.057778 3.124444 3.191111 3.257778 3.324444 53 2.725556 3.325556 2.792222 2.858889 2.925556 2.992222 3.058889 3.125556 3.192222 3.258889 54 2.726667 2.793333 2.860000 2.926667 2.993333 3.060000 3.12666 3.193333 3.260000 3.326667 55 2.727778 2.794444 2.861111 2.927778 2.994444 3.061111 3.127778 3.194444 3.261111 3.327778 2.995556 3.195556 56 2.728889 2.795556 2.862222 2.928889 3.062222 3.128889 3.262222 3.328889 57 2.730000 2.796667 2.863333 2.930000 2.996667 3.063333 3.130000 3.196667 3.263333 3.330000 58 2.731111 2.797778 2.864444 2.931111 2.997778 3.064444 3.131111 3.197778 3.264444 3.331111 59 2.732222 2.798889 2.865556 2.932222 2.998889 3.065556 3.132222 3.198889 3.265556 3.332222

minutes 56 58 59 3.400000 3.333333 3.466667 3.533333 3.600000 3.666667 3.733333 3.800000 3 866667 3.933333 0 3.334444 3.401111 3.467778 3.534444 3.601111 3.667778 3.734444 3.801111 3.867778 3.934444 3.535556 3.935556 2 3.335556 3.402222 3.468889 3.602222 3.668889 3.735556 3.802222 3 868889 3.336667 3.470000 3.870000 3 3 403333 3 536667 3 603333 3 670000 3 736667 3 803333 3 936667 4 3.337778 3.404444 3.471111 3.537778 3.604444 3.671111 3.737778 3.804444 3.871111 3.937778 5 3.338889 3.405556 3.472222 3.538889 3.605556 3.672222 3.738889 3.805556 3.872222 3.938889 6 3.340000 3.406667 3.473333 3.540000 3.606667 3.740000 3.806667 3.940000 3.673333 3.873333 7 3.34111 3.407778 3.474444 3.541111 3.607778 3.674444 3.74111 3.807778 3.874444 3.941111 8 3.342222 3.408889 3.475556 3.542222 3.608889 3.675556 3.742222 3.808889 3.875556 3.942222 3.676667 3.410000 3.476667 3.610000 3.743333 3.810000 3.876667 3.943333 9 3.343333 3.543333 10 3.344444 3.411111 3.477778 3.544444 3.611111 3.677778 3.744444 3.811111 3.877778 3.944444 11 3.345556 3.412222 3.478889 3.545556 3.612222 3.678889 3.745556 3.812222 3.878889 3.945556 3.480000 12 3.34666 3.413333 3.546667 3.613333 3.680000 3.74666 3.813333 3.880000 3.94666 13 3.347778 3.414444 3.481111 3.547778 3.614444 3.747778 3.814444 3.881111 3.947778 3.681111 14 3.348889 3.415556 3.482222 3.548889 3.615556 3.682222 3.748889 3.815556 3.882222 3.948889 15 3.350000 3.416667 3.483333 3.550000 3.616667 3.683333 3.750000 3.816667 3.883333 3.950000 3.484444 3.951111 16 3.351111 3.417778 3.551111 3.617778 3 684444 3.751111 3.817778 3 884444 17 3.352222 3.418889 3.485556 3.552222 3.618889 3.685556 3.75222 3.818889 3.885556 3.952222 18 3.420000 3.486667 3.553333 3.620000 3.686667 3.753333 3.820000 3.886667 3.953333 3.353333 3.487778 3.687778 3.354444 3.421111 3.554444 3.621111 3.754444 3.821111 3.887778 3.954444 19 20 3.355556 3.422222 3.488889 3.555556 3.622222 3.688888 3.755556 3.822222 3.888889 3.955556 21 3.423333 3.490000 3.690000 3.756667 3.823333 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6.890000 7.090000 7.156667 6.756667 6.956667 7.023333 7.223333 7.290000 22 6.691111 6.757778 6.824444 6.891111 6.957778 7.024444 7.091111 7.157778 7.224444 7.291111 23 6.825556 6.892222 6.958889 7.025556 7.092222 7.158889 7.225556 7.292222 6 692222 6 758889 24 6.693333 6.760000 6.826667 6.893333 6.960000 7.026667 7.09333 7.160000 7.226667 7.293333 25 6.694444 6.761111 6.827778 6.894444 6.961111 7.027778 7.094444 7.161111 7.227778 7.294444 26 6.695556 7.028889 7.095556 7.162222 7.228889 7.295556 6.762222 6.828889 6.895556 6.962222 27 6.696667 6.763333 6.830000 6.896667 6.963333 7.030000 7.096667 7.163333 7.230000 7.296667 28 6.697778 6.764444 6.831111 6.897778 6.964444 7.031111 7.097778 7.164444 7.231111 7.297778 7.098889 29 7.165556 6.698889 6.765556 6.832222 6.898889 6.965556 7.032222 7.232222 7.298889 30 6.833333 6.900000 6.966667 7.033333 7.100000 7.166667 7.233333 7.300000 6.700000 6.766667 31 6.901111 6.967778 7.034444 7.101111 6.701111 6.767778 6.834444 7.167778 7.234444 7.301111 32 6.702222 6.768889 6.835556 6.902222 6.968889 7.035556 7.102222 7.168889 7.235556 7.302222 7.303333 33 6.703333 6.770000 6.836667 6.903333 6.970000 7.036667 7.103333 7.170000 7.236667 34 6.704444 6.77111 6.837778 6.904444 6.971111 7.037778 7.10444 7.171111 7.237778 7.304444 35 6.705556 6.772222 6.838889 6.905556 6.972222 7.038889 7.105556 7.172222 7.238889 7.305556 7.173333 7.306667 36 6.706667 6 840000 6 906667 7.040000 7.106667 7.240000 6.773333 6.973333 37 6.707778 6.774444 6.841111 6.907778 6.974444 7.041111 7.107778 7.174444 7.241111 7.307778 38 6.708889 6.775556 6.842222 6.908889 6.975556 7.042222 7.108889 7.175556 7.242222 7.308889 7.176667 7.243333 7.310000 39 6.710000 6.776667 6.843333 6.910000 6.976667 7.043333 7.110000 40 6.711111 6.777778 6.844444 7.044444 7.111111 7.177778 7.244444 7.311111 6.911111 6.977778 41 6.845556 7.045556 7.245556 6.712222 6.778889 6.912222 6.978889 7.112222 7.178889 7.312222 42 6.713333 6.780000 6.846667 6.913333 6.980000 7.046667 7.113333 7.180000 7.246667 7.313333 43 6.981111 7.047778 6 714444 6 781111 6 847778 6 914444 7 114444 7 181111 7 247778 7 314444 44 6.715556 6.78222 6.848889 6.915556 6.982222 7.048889 7.115556 7.182222 7.248889 7.315556 45 6.716667 6.783333 6.850000 6.916667 6.983333 7.050000 7.116667 7.183333 7.250000 7.316667 46 6.717778 6.784444 6.851111 6.917778 6.984444 7.051111 7.117778 7.184444 7.251111 7.317778 47 6.718889 6.785556 6.852222 6.918889 6.985556 7.052222 7.118889 7.185556 7.252222 7.318889 48 6.720000 6.786667 6.853333 6.920000 6.986667 7.053333 7.120000 7.186667 7.253333 7.320000 6.987778 7.054444 7.187778 7.254444 49 6.721111 6.787778 6.854444 6.921111 7.121111 7.321111 50 6.722222 6.788889 6.855556 6.922222 6.988889 7.055556 7.122222 7.188889 7.255556 7.322222 7.190000 7.256667 51 6.723333 6.790000 6.856667 6.923333 6.990000 7.056667 7.123333 7.323333 52 6.724444 6.791111 6.857778 6.924444 6.991111 7.057778 7.124444 7.191111 7.257778 7.324444 53 6.725556 7.058889 7.325556 6.792222 6.858889 6.925556 6.992222 7.125556 7.192222 7.258889 54 6.726667 6.793333 6.860000 6.926667 6.993333 7.060000 7.12666 7.193333 7.260000 7.326667 55 6.727778 6.794444 6.861111 6.927778 6.994444 7.061111 7.127778 7.194444 7.261111 7.327778 56 6.728889 6.795556 6 995556 7.195556 6.862222 6.928889 7.062222 7.128889 7.262222 7.328889 57 6.730000 6.796667 6.863333 6.930000 6.996667 7.063333 7.130000 7.196667 7.263333 7.330000 58 6.731111 6.797778 6.864444 6.931111 6.997778 7.064444 7.131111 7.197778 7.264444 7.331111 7.198889 7.332222 59 6.732222 6.798889 6.865556 6.932222 6.998889 7.065556 7.132222 7.265556

minutes 110 111 112 113 116 117 118 119 7 333333 7 400000 7 466667 7 533333 7.600000 7.666667 7 733333 7 800000 7 866667 7 933333 0 7.334444 7.401111 7.467778 7.534444 7.601111 7.667778 7.734444 7.801111 7.867778 7.934444 7.535556 2 7.335556 7.402222 7.468889 7.602222 7.668889 7.735556 7.802222 7.868889 7.935556 7.336667 7.470000 7.536667 7.803333 7.870000 3 7 403333 7 603333 7 670000 7 736667 7 936667 7.604444 4 7.337778 7.404444 7.471111 7.537778 7.671111 7.737778 7.804444 7.871111 7.937778 5 7.338889 7.405556 7.472222 7.538889 7.605556 7.672222 7.738888 7.805556 7.872222 7.938889 6 7.340000 7.406667 7.473333 7.540000 7.606667 7.673333 7.740000 7.806667 7.940000 7.873333 7 7.34111 7.407778 7.474444 7.541111 7.607778 7.674444 7.74111 7.807778 7.874444 7.941111 8 7.342222 7.408889 7.475556 7.542222 7.608889 7.675556 7.742222 7.808889 7.875556 7.942222 7.410000 7.610000 7.676667 7.343333 7.476667 7.543333 7.74333 7.810000 7.876667 7.943333 9 10 7.344444 7.411111 7.477778 7.544444 7.611111 7.677778 7.744444 7.811111 7.877778 7.944444 11 7.345556 7.412222 7.478889 7.545556 7.612222 7.678889 7.745556 7.812222 7.878889 7.945556 7.480000 12 7.34666 7.413333 7.546667 7.613333 7.680000 7.74666 7.813333 7.880000 7.94666 13 7.347778 7.414444 7.481111 7.547778 7.614444 7.681111 7.747778 7.814444 7.881111 7.947778 14 7.348889 7.415556 7.482222 7.548889 7.615556 7.682222 7.748889 7.815556 7.882222 7.948889 15 7.350000 7.416667 7.483333 7.550000 7.616667 7.683333 7.750000 7.816667 7.883333 7.950000 7.417778 16 7.351111 7 484444 7.551111 7 617778 7 684444 7.751111 7.817778 7 884444 7 951111 17 7.352222 7.418889 7.485556 7.552222 7.618889 7.685556 7.75222 7.818889 7.885556 7.952222 18 7.420000 7.486667 7.553333 7.620000 7.686667 7.820000 7.886667 7.953333 7.353333 7.753333 7.354444 7.487778 7.554444 7.821111 7.954444 19 7.421111 7.621111 7.687778 7.754444 7.887778 20 7.355556 7.422222 7.488889 7.555556 7.622222 7.688888 7.755556 7.822222 7.888889 7.955556 21 7.423333 7.490000 7.556667 7.690000 7.756667 7.823333 7.956667 7.356667 7.623333 7.890000 22 7.357778 7.424444 7.491111 7.557778 7.624444 7.691111 7.757778 7.824444 7.891111 7.957778 23 7.425556 7.492222 7.558889 7.625556 7.758889 7.825556 7.892222 7.958889 7 358889 7 692222 24 7.360000 7.426667 7.493333 7.560000 7.626667 7.693333 7.760000 7.826667 7.893333 7.960000 25 7.361111 7.427778 7.494444 7.561111 7.627778 7.694444 7.761111 7.827778 7.894444 7.961111 26 7.362222 7.495556 7.562222 7.628889 7.695556 7.762222 7.828889 7.895556 7.962222 7.428889 27 7.363333 7.430000 7.496667 7.563333 7.630000 7.696667 7.763333 7.830000 7.896667 7.963333 28 7.364444 7.431111 7.497778 7.564444 7.631111 7.697778 7.764444 7.831111 7.897778 7.964444 7.898889 29 7.365556 7.565556 7.432222 7.498889 7.632222 7.698889 7.765556 7.832222 7.965556 30 7.366667 7.433333 7.500000 7.566667 7.633333 7.700000 7.766667 7.833333 7.900000 7.966667 31 7.434444 7.501111 7.634444 7.701111 7.834444 7.901111 7.367778 7.567778 7.767778 7.967778 32 7.368889 7.435556 7.502222 7.568889 7.635556 7.702222 7.768888 7.835556 7.902222 7.968889 33 7.370000 7.436667 7.503333 7.570000 7.636667 7.703333 7.770000 7.836667 7.903333 7.970000 34 7.371111 7.437778 7.504444 7.571111 7.637778 7.704444 7.77111 7.837778 7.904444 7.971111 35 7.372222 7.438889 7.505556 7.572222 7.638889 7.705556 7.772222 7.838889 7.905556 7.972222 7.640000 36 7.440000 7 506667 7.573333 7.706667 7.840000 7.906667 7 973333 7.373333 7.773333 37 7.374444 7.441111 7.507778 7.574444 7.641111 7.707778 7.774444 7.841111 7.907778 7.974444 38 7.375556 7.442222 7.508889 7.575556 7.642222 7.708889 7.775556 7.842222 7.908889 7.975556 7.376667 7.576667 7.843333 7.443333 7.510000 7.643333 7.710000 7.976667 39 7.776667 7.910000 40 7.377778 7.444444 7.511111 7.577778 7.644444 7.711111 7.777778 7.844444 7.911111 7.977778 41 7.445556 7.645556 7.845556 7.378889 7.512222 7.578889 7.712222 7.778889 7.912222 7.978889 42 7.380000 7.44666 7.513333 7.580000 7.646667 7.713333 7.780000 7.846667 7.913333 7 980000 43 7.514444 7.981111 7 381111 7 447778 7 581111 7 647778 7 714444 7 781111 7 847778 7 914444 44 7.382222 7.448889 7.515556 7.582222 7.648889 7.715556 7.78222 7.848889 7.915556 7.982222 45 7.383333 7.450000 7.516667 7.583333 7.650000 7.716667 7.783333 7.850000 7.916667 7.983333 46 7.384444 7.451111 7.517778 7.584444 7.651111 7.717778 7.784444 7.851111 7.917778 7.984444 47 7.385556 7.452222 7.518889 7.585556 7.652222 7.718889 7.785556 7.852222 7.918889 7.985556 48 7.386667 7.453333 7.520000 7.586667 7.653333 7.720000 7.786667 7.853333 7.920000 7.986667 7.387778 7.587778 7.654444 7.787778 7.854444 7.987778 49 7.454444 7.521111 7.721111 7.921111 50 7.388889 7.455556 7.522222 7.588889 7.655556 7.722222 7.788889 7.855556 7.922222 7.988889 51 7.390000 7.456667 7.523333 7.590000 7.656667 7.723333 7.790000 7.856667 7.923333 7.990000 52 7.391111 7.457778 7.524444 7.591111 7.657778 7.724444 7.79111 7.857778 7.924444 7.991111 53 7.458889 7.725556 7.392222 7.525556 7.592222 7.658889 7.792222 7.858889 7.925556 7.992222 54 7.393333 7.460000 7.526667 7.593333 7.660000 7.726667 7.793333 7.860000 7.926667 7.993333 55 7.394444 7.461111 7.527778 7 594444 7.661111 7.727778 7.794444 7.861111 7.927778 7 994444 56 7.395556 7.795556 7 995556 7.462222 7.528889 7.595556 7 662222 7.728889 7.862222 7.928889 57 7.396667 7.463333 7.530000 7.596667 7.663333 7.730000 7.796667 7.863333 7.930000 7.996667 58 7.464444 7.731111 7.397778 7.531111 7.597778 7.664444 7.797778 7.864444 7.931111 7.997778 59 7.398889 7.465556 7.532222 7.598889 7.665556 7.732222 7.798889 7.865556 7.932222 7.998889

	degrés									
minutes	120	121	122	123	124	125	126	127	128	129
0	8.000000	8.066667	8.133333	8.200000	8.266667	8.333333	8.400000	8.466667	8.533333	8.600000
1	8.001111	8.067778	8.134444	8.201111	8.267778	8.334444	8.401111	8.467778	8.534444	8.601111
2	8.002222	8.068889	8.135556	8.202222	8.268889	8.335556	8.402222	8.468889	8.535556	8.602222
3	8.003333	8.070000	8.136667	8.203333	8.270000	8.336667	8.403333	8.470000	8.536667	8.603333
	-									
4	8.004444	8.071111	8.137778	8.204444	8.271111	8.337778	8.404444	8.471111	8.537778	8.604444
5	8.005556	8.072222	8.138889	8.205556	8.272222	8.338889	8.405556	8.472222	8.538889	8.605556
6	8.006667	8.073333	8.140000	8.206667	8.273333	8.340000	8.406667	8.473333	8.540000	8.606667
7	8.007778	8.074444	8.141111	8.207778	8.274444	8.341111	8.407778	8.474444	8.541111	8.607778
8	8.008889	8.075556	8.142222	8.208889	8.275556	8.342222	8.408889	8.475556	8.542222	8.608889
9	8.010000	8.076667	8.143333	8.210000	8.276667	8.343333	8.410000	8.476667	8.543333	8.610000
10	8.011111	8.077778	8.144444	8.211111	8.277778	8.344444	8.411111	8.477778	8.544444	8.611111
11	8.012222	8.078889	8.145556	8.212222	8.278889	8.345556	8.412222	8.478889	8.545556	8.612222
12	8.013333	8.080000	8.146667	8.213333	8.280000	8.346667	8.413333	8.480000	8.546667	8.613333
13	8.014444	8.081111	8.147778	8.214444	8.281111	8.347778	8.414444	8.481111	8.547778	8.614444
14	8.015556	8.082222	8.148889	8.215556	8.282222	8.348889	8.415556	8.482222	8.548889	8.615556
15	8.016667	8.083333	8.150000	8.216667	8.283333	8.350000	8.416667	8.483333	8.550000	8.616667
16	8.017778	8.084444	8.151111	8.217778	8.284444	8.351111	8.417778	8.484444	8.551111	8.617778
17	8.018889	8.085556	8.152222	8.218889	8.285556	8.352222	8.418889	8.485556	8.552222	8.618889
18		8.086667			-					
	8.020000		8.153333	8.220000	8.286667	8.353333	8.420000	8.486667	8.553333	8.620000
19	8.021111	8.087778	8.154444	8.221111	8.287778	8.354444	8.421111	8.487778	8.554444	8.621111
20	8.022222	8.088889	8.155556	8.222222	8.288889	8.355556	8.422222	8.488889	8.555556	8.622222
21	8.023333	8.090000	8.156667	8.223333	8.290000	8.356667	8.423333	8.490000	8.556667	8.623333
22	8.024444	8.091111	8.157778	8.224444	8.291111	8.357778	8.424444	8.491111	8.557778	8.624444
23	8.025556	8.092222	8.158889	8.225556	8.292222	8.358889	8.425556	8.492222	8.558889	8.625556
24	8.026667	8.093333	8.160000	8.226667	8.293333	8.360000	8.426667	8.493333	8.560000	8.626667
25	8.027778	8.094444	8.161111	8.227778	8.294444	8.361111	8.427778	8.494444	8.561111	8.627778
26	8.028889	8.095556	8.162222	8.228889	8.295556	8.362222	8.428889	8.495556	8.562222	8.628889
27	8.030000	8.096667	8.163333	8.230000	8.296667	8.363333	8.430000	8.496667	8.563333	8.630000
28	8.031111	8.097778	8.164444	8.231111	8.297778	8.364444	8.431111	8.497778	8.564444	8.631111
29	8.032222	8.098889	8.165556	8.232222	8.298889	8.365556	8.432222	8.498889	8.565556	8.632222
30	8.033333	8.100000	8.166667	8.233333	8.300000	8.366667	8.433333	8.500000	8.566667	8.633333
31	8.034444	8.101111	8.167778	8.234444	8.301111	8.367778	8.434444	8.501111	8.567778	8.634444
32	8.035556	8.102222	8.168889	8.235556	8.302222	8.368889	8.435556	8.502222	8.568889	8.635556
33	-									
	8.036667	8.103333	8.170000	8.236667	8.303333	8.370000	8.436667	8.503333	8.570000	8.636667
34	8.037778	8.104444	8.171111	8.237778	8.304444	8.371111	8.437778	8.504444	8.571111	8.637778
35	8.038889	8.105556	8.172222	8.238889	8.305556	8.372222	8.438889	8.505556	8.572222	8.638889
36	8.040000	8.106667	8.173333	8.240000	8.306667	8.373333	8.440000	8.506667	8.573333	8.640000
37	8.041111	8.107778	8.174444	8.241111	8.307778	8.374444	8.441111	8.507778	8.574444	8.641111
38	8.042222	8.108889	8.175556	8.242222	8.308889	8.375556	8.442222	8.508889	8.575556	8.642222
39	8.043333	8.110000	8.176667	8.243333	8.310000	8.376667	8.443333	8.510000	8.576667	8.643333
40	8.044444	8.111111	8.177778	8.244444	8.311111	8.377778	8.444444	8.511111	8.577778	8.644444
41	8.045556	8.112222	8.178889	8.245556	8.312222	8.378889	8.445556	8.512222	8.578889	8.645556
42	8.046667	8.113333	8.180000	8.246667	8.313333	8.380000	8.446667	8.513333	8.580000	8.646667
43	8.047778	8.114444	8.181111	8.247778	8.314444	8.381111	8.447778	8.514444	8.581111	8.647778
44	8.048889	8.115556	8.182222	8.248889	8.315556	8.382222	8.448889	8.515556	8.582222	8.648889
45	8.050000	8.116667	8.183333	8.250000	8.316667	8.383333	8.450000	8.516667	8.583333	8.650000
46	8.051111	8.117778	8.184444	8.251111	8.317778	8.384444	8.451111	8.517778	8.584444	8.651111
47	8.052222	8.118889	8.185556	8.252222	8.318889	8.385556	8.452222	8.518889	8.585556	8.652222
48	8.053333	8.120000	8.186667	8.253333	8.320000	8.386667	8.453333	8.520000	8.586667	8.653333
49	8.054444	8.121111	8.187778	8.254444	8.321111	8.387778	8.454444	8.521111	8.587778	
										8.654444
50	8.055556	8.122222	8.188889	8.255556	8.322222	8.388889	8.455556	8.522222	8.588889	8.655556
51	8.056667	8.123333	8.190000	8.256667	8.323333	8.390000	8.456667	8.523333	8.590000	8.656667
52	8.057778	8.124444	8.191111	8.257778	8.324444	8.391111	8.457778	8.524444	8.591111	8.657778
53	8.058889	8.125556	8.192222	8.258889	8.325556	8.392222	8.458889	8.525556	8.592222	8.658889
54	8.060000	8.126667	8.193333	8.260000	8.326667	8.393333	8.460000	8.526667	8.593333	8.660000
55	8.061111	8.127778	8.194444	8.261111	8.327778	8.394444	8.461111	8.527778	8.594444	8.661111
56	8.062222	8.128889	8.195556	8.262222	8.328889	8.395556	8.462222	8.528889	8.595556	8.662222
57	8.063333	8.130000	8.196667	8.263333	8.330000	8.396667	8.463333	8.530000	8.596667	8.663333
58	8.064444	8.131111	8.197778	8.264444	8.331111	8.397778	8.464444	8.531111	8.597778	8.664444
59	8.065556	8.132222	8.198889	8.265556	8.332222	8.398889	8.465556	8.532222	8.598889	8.665556
00	0.000000	0.102222	0.100009	0.200000	0.002222	0.00000	0.700000	0.002222	0.00000	0.000000

137 minutes 130 132 133 136 138 139 8.666667 8 733333 8.800000 8.866667 8.933333 9.000000 9 06666 9 133333 9 200000 9.266667 0 8.667778 8.734444 8.801111 8.867778 8.934444 9.001111 9.067778 9.134444 9.201111 9.267778 2 8.668889 8.735556 8.802222 8.868889 8.935556 9.002222 9.068889 9.135556 9 202222 9.268889 8.870000 9.270000 3 8 670000 8 736667 8 803333 8 936667 9 003333 9 070000 9 136667 9 203333 4 8.671111 8.737778 8.804444 8.871111 8.937778 9.004444 9.071111 9.137778 9.204444 9.271111 5 8.672222 8.738889 8.805556 8.872222 8.938889 9.005556 9.072222 9.138889 9.205556 9.272222 6 8.740000 8.940000 9.073333 9.140000 9.206667 9.273333 8.673333 8.806667 8.873333 9.006667 7 8.674444 8.74111 8.807778 8.874444 8.941111 9.007778 9.074444 9.141111 9.207778 9.274444 8 8.675556 8.742222 8.808889 8.875556 8.942222 9.008889 9.075556 9.142222 9.208889 9.275556 8.676667 8.810000 8.743333 8.876667 8.943333 9.010000 9.076667 9.143333 9.210000 9.276667 9 10 8.677778 8.744444 8.811111 8.877778 8.944444 9.011111 9.077778 9.144444 9.211111 9.277778 11 8.678889 8.745556 8.812222 8.878889 8.945556 9.012222 9.078889 9.145556 9.212222 9.278889 12 8.680000 8.74666 8.813333 8.880000 8.946667 9.013333 9.080000 9.146667 9.213333 9.280000 13 8.747778 8.814444 8.947778 9.014444 9.081111 9.147778 9.214444 9.281111 8.681111 8.881111 14 8.682222 8.748889 8.815556 8.882222 8.948889 9.015556 9.08222 9.148889 9.215556 9.282222 15 8.683333 8.750000 8.816667 8.883333 8.950000 9.016667 9.083333 9.150000 9.216667 9.283333 16 8 684444 8.75111 8.817778 8 884444 8 951111 9.017778 9 084444 9.151111 9 217778 9 284444 17 8.685556 8.752222 8.818889 8.885556 8.952222 9.018889 9.085556 9.152222 9.218889 9.285556 18 8.686667 8.753333 8.820000 8.886667 9.020000 9.086667 9.220000 9.286667 8.953333 9.153333 8.754444 8.821111 8.954444 9.021111 9.087778 9.154444 9.221111 9.287778 19 8.687778 8.887778 20 8.688888 8.755556 8.822222 8.888889 8.955556 9.022222 9.088889 9.155556 9.22222 9.288889 21 8.690000 8.823333 8.890000 9.090000 9.156667 9.290000 8.756667 8.956667 9.023333 9.223333 22 8.691111 8.757778 8.824444 8.891111 8.957778 9.024444 9.091111 9.157778 9.224444 9.291111 23 8.825556 8.958889 9.025556 9.092222 9.158889 9.225556 9.292222 8 692222 8 758889 8 892222 24 8.693333 8.760000 8.826667 8.893333 8.960000 9.026667 9.09333 9.160000 9.226667 9.293333 25 8.694444 8.761111 8.827778 8.894444 8.961111 9.027778 9.094444 9.161111 9.227778 9.294444 26 8.695556 8.828889 8.962222 9.095556 9.295556 8.762222 8.895556 9.028889 9.162222 9.228889 27 8.696667 8.763333 8.830000 8.896667 8.963333 9.030000 9.096667 9.163333 9.230000 9.296667 28 8.697778 8.764444 8.831111 8.897778 8.964444 9.031111 9.097778 9.164444 9.231111 9.297778 29 8.965556 8.698889 8.765556 8.832222 8.898889 9.032222 9.098889 9.165556 9.232222 9.298889 30 8.700000 8.833333 8.900000 8.966667 9.033333 9.100000 9.233333 9.300000 8.766667 9.166667 31 8.901111 8.967778 8.701111 8.767778 8.834444 9.034444 9.101111 9.167778 9.234444 9.301111 32 8.702222 8.768889 8.835556 8.902222 8.968889 9.035556 9.102222 9.168889 9.235556 9.302222 33 8.703333 8.770000 8.836667 8.903333 8.970000 9.036667 9.103333 9.170000 9.236667 9.303333 34 8.704444 8.77111 8.837778 8.904444 8.971111 9.037778 9.10444 9.171111 9.237778 9.304444 35 8.705556 8.772222 8.838889 8.905556 8.972222 9.038889 9.105556 9.172222 9.238889 9.305556 36 8.706667 8.840000 8 906667 9.040000 9 106667 9.240000 9 306667 8.773333 8.973333 9.173333 37 8.707778 8.774444 8.841111 8.907778 8.974444 9.041111 9.107778 9.174444 9.241111 9.307778 38 8.708889 8.775556 8.842222 8.908889 8.975556 9.042222 9.108889 9.175556 9.242222 9.308889 8.843333 9.243333 39 8.710000 8.776667 8.910000 8.976667 9.043333 9.110000 9.176667 9.310000 40 8.711111 8.777778 8.844444 8.977778 9.044444 9.111111 9.177778 9.244444 9.311111 8.911111 41 8.845556 8.912222 9.045556 9.245556 8.712222 8.778889 8.978889 9.112222 9.178889 9.312222 42 8.713333 8.780000 8.84666 8.913333 8.980000 9.046667 9.113333 9.180000 9.246667 9.313333 43 8.981111 8 714444 8 781111 8 847778 8 914444 9 047778 9 114444 9 181111 9 247778 9 314444 44 8.715556 8.78222 8.848889 8.915556 8.982222 9.048889 9.115556 9.182222 9.248889 9.315556 45 8.716667 8.783333 8.850000 8.916667 8.983333 9.050000 9.116667 9.183333 9.250000 9.316667 9.051111 46 8.717778 8.784444 8.851111 8.917778 8.984444 9.117778 9.184444 9.251111 9.317778 47 8.718889 8.785556 8.852222 8.918889 8.985556 9.052222 9.118889 9.185556 9.252222 9.318889 48 8.720000 8.786667 8.853333 8.920000 8.986667 9.053333 9.120000 9.186667 9.253333 9.320000 8.987778 9.054444 49 8.721111 8.787778 8.854444 8.921111 9.121111 9.187778 9.254444 9.321111 50 8.722222 8.788889 8.855556 8.922222 8.988889 9.055556 9.122222 9.188889 9.255556 9.322222 51 8.723333 8.790000 8.856667 8.923333 8.990000 9.056667 9.12333 9.190000 9.256667 9.323333 52 8.724444 8.791111 8.857778 8.924444 8.991111 9.057778 9.124444 9.191111 9.257778 9.324444 53 8.725556 9.325556 8.792222 8.858889 8.925556 8.992222 9.058889 9.125556 9.192222 9.258889 54 8.726667 8.793333 8.860000 8.926667 8.993333 9.060000 9.12666 9.193333 9.260000 9.326667 55 8.727778 8.794444 8.861111 8.927778 8.994444 9.061111 9.127778 9.194444 9.261111 9.327778 56 8.728889 8.795556 8 995556 9.128889 9.328889 8.862222 8.928889 9.062222 9.195556 9.262222 57 8.730000 8.796667 8.863333 8.930000 8.996667 9.063333 9.130000 9.196667 9.263333 9.330000 58 8.731111 8.797778 8.864444 8.931111 8.997778 9.064444 9.131111 9.197778 9.264444 9.331111 59 8.732222 8.798889 8.865556 8.932222 8.998889 9.065556 9.132222 9.198889 9.265556 9.332222

147 minutes 140 142 143 146 148 149 9 333333 9 400000 9.466667 9 533333 9.600000 9.666667 9 733333 9.800000 9 866667 9.933333 9.334444 9.401111 9.467778 9.534444 9.601111 9.667778 9.734444 9.801111 9.934444 9.867778 9.535556 9.935556 2 9.335556 9.402222 9 468889 9.602222 9.668889 9.735556 9.802222 9 868889 9.470000 3 9 336667 9 403333 9 536667 9 603333 9 670000 9 736667 9 803333 9 870000 9 936667 4 9.337778 9.404444 9.471111 9.537778 9.604444 9.671111 9.73777 9.804444 9.871111 9.937778 5 9.338889 9.405556 9.472222 9.538889 9.605556 9.672222 9.738888 9.805556 9.872222 9.938889 6 9.340000 9.406667 9.473333 9.540000 9.606667 9.740000 9.940000 9.673333 9.806667 9.873333 7 9.34111 9.407778 9.474444 9.541111 9.607778 9.674444 9.74111 9.807778 9.874444 9.941111 8 9.342222 9.408889 9.475556 9.542222 9.608889 9.675556 9.742222 9.808889 9.875556 9.942222 9.676667 9.410000 9.476667 9.610000 9.74333 9.810000 9.876667 9.943333 9 9.343333 9.543333 10 9.344444 9.411111 9.477778 9.544444 9.611111 9.677778 9.744444 9.811111 9.877778 9.944444 11 9.345556 9.412222 9.478889 9.545556 9.612222 9.678889 9.745556 9.812222 9.878889 9.945556 12 9.34666 9.413333 9.480000 9.546667 9.613333 9.680000 9.74666 9.813333 9.880000 9.94666 13 9.347778 9.414444 9.481111 9.547778 9.614444 9.747778 9.814444 9.881111 9.947778 9.681111 14 9.348889 9.415556 9.482222 9.548889 9.615556 9.682222 9.748889 9.815556 9.882222 9.948889 15 9.350000 9.416667 9.483333 9.550000 9.616667 9.683333 9.750000 9.816667 9.883333 9.950000 16 9.351111 9 417778 9 484444 9.551111 9 617778 9 684444 9 751111 9 817778 9 884444 9 951111 17 9.352222 9.418889 9.485556 9.552222 9.618889 9.685556 9.75222 9.818889 9.885556 9.952222 18 9.420000 9.486667 9.620000 9.686667 9.753333 9.820000 9.886667 9.953333 9.353333 9.553333 9.354444 9.421111 9.487778 9.554444 9.621111 9.687778 9.754444 9.821111 9.887778 9.954444 19 20 9.355556 9.422222 9.488889 9.555556 9.622222 9.688888 9.755556 9.822222 9.888889 9.955556 21 9.423333 9.490000 9.556667 9.690000 9.756667 9.823333 9.956667 9.356667 9.623333 9.890000 22 9.357778 9.424444 9.491111 9.557778 9.624444 9.691111 9.757778 9.824444 9.891111 9.957778 23 9.425556 9.625556 9.758889 9.825556 9.892222 9.958889 9 358889 9 492222 9 558889 9 692222 24 9.360000 9.426667 9.493333 9.560000 9.626667 9.693333 9.760000 9.826667 9.893333 9.960000 25 9.361111 9.427778 9.494444 9.561111 9.627778 9.694444 9.761111 9.827778 9.894444 9.961111 26 9.628889 9.762222 9.362222 9.428889 9.495556 9.562222 9.695556 9.828889 9.895556 9.962222 27 9.363333 9.430000 9.496667 9.563333 9.630000 9.696667 9.763333 9.830000 9.896667 9.963333 28 9.364444 9.431111 9.497778 9.564444 9.631111 9.697778 9.764444 9.831111 9.897778 9.964444 29 9.365556 9.432222 9.498889 9.565556 9.632222 9.698889 9.765556 9.832222 9.898889 9.965556 30 9.500000 9.566667 9.700000 9.766667 9.833333 9.900000 9.966667 9.366667 9.433333 9.633333 31 9.434444 9.701111 9.834444 9.367778 9.501111 9.567778 9.634444 9.767778 9.901111 9.967778 32 9.368889 9.435556 9.502222 9.568889 9.635556 9.702222 9.768889 9.835556 9.902222 9.968889 33 9.370000 9.436667 9.503333 9.570000 9.636667 9.703333 9.770000 9.836667 9.903333 9.970000 34 9.371111 9.437778 9.504444 9.571111 9.637778 9.704444 9.77111 9.837778 9.904444 9.971111 35 9.372222 9.438889 9.505556 9.572222 9.638889 9.705556 9.772222 9.838889 9.905556 9.972222 36 9.440000 9 506667 9 640000 9.706667 9.840000 9 906667 9 973333 9.373333 9.573333 9.773333 37 9.374444 9.441111 9.507778 9.574444 9.641111 9.707778 9.774444 9.841111 9.907778 9.974444 38 9.375556 9.442222 9.508889 9.575556 9.642222 9.708889 9.775556 9.842222 9.908889 9.975556 9.376667 9.443333 39 9.510000 9.576667 9.643333 9.710000 9.776667 9.843333 9.910000 9.976667 40 9.377778 9.444444 9.511111 9.577778 9.644444 9.711111 9.777778 9.844444 9.911111 9.977778 41 9.445556 9.645556 9.845556 9.378889 9.512222 9.578889 9.712222 9.778889 9.912222 9.978889 42 9.380000 9.446667 9.513333 9.580000 9.646667 9.713333 9.780000 9.846667 9.913333 9 980000 43 9 381111 9 447778 9 514444 9 581111 9 647778 9 714444 9 781111 9 847778 9 914444 9 981111 44 9.382222 9.448889 9.515556 9.582222 9.648889 9.715556 9.78222 9.848889 9.915556 9.982222 45 9.383333 9.450000 9.516667 9.583333 9.650000 9.716667 9.783333 9.850000 9.916667 9.983333 46 9.384444 9.451111 9.517778 9.584444 9.651111 9.717778 9.784444 9.851111 9.917778 9.984444 47 9.385556 9.452222 9.518889 9.585556 9.652222 9.718889 9.785556 9.852222 9.918889 9.985556 48 9.386667 9.453333 9.520000 9.586667 9.653333 9.720000 9.786667 9.853333 9.920000 9.986667 9.387778 9.654444 9.787778 9.854444 9.987778 49 9.454444 9.521111 9.587778 9.721111 9.921111 50 9.388889 9.455556 9.522222 9.588889 9.655556 9.722222 9.788889 9.855556 9.922222 9.988889 51 9.390000 9.456667 9.523333 9.590000 9.656667 9.723333 9.790000 9.856667 9.923333 9.990000 52 9.391111 9.457778 9.524444 9.591111 9.657778 9.724444 9.79111 9.857778 9.924444 9.991111 53 9.725556 9.392222 9.458889 9.525556 9.592222 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minutes 152 156 158 159 10.000000 10 066667 10 133333 10.200000 10.266667 10.333333 10 400000 10 466667 10 533333 10.600000 0 10.001111 10.067778 10.134444 10.201111 10.267778 10.334444 10.401111 10.467778 10.534444 10.601111 10.068889 10.202222 10.268889 10.335556 10.535556 2 10.002222 10.135556 10.402222 10.468889 10.602222 10.470000 3 10 003333 10 070000 10 136667 10 203333 10 270000 10 336667 10 403333 10 536667 10 603333 4 10.004444 10.071111 10.137778 10.204444 10.271111 10.337778 10.404444 10.471111 10.537778 10.604444 5 10.005556 10.072222 10.138889 10.205556 10.272222 10.338889 10.405556 10.472222 10.538889 10.605556 6 10.206667 10.273333 10.340000 10.406667 10.540000 10.006667 10.073333 10.140000 10.473333 10.606667 7 10.007778 10.074444 10.141111 10.207778 10.274444 10.34111 10.407778 10.474444 10.54111 10.607778 8 10.008889 10.075556 10.142222 10.208889 10.275556 10.342222 10.408889 10.475556 10.542222 10.608889 10.010000 10.076667 10.210000 10.276667 10.343333 10.410000 10.476667 10.610000 9 10.143333 10.543333 10 10.011111 10.077778 10.144444 10.211111 10.277778 10.344444 10.411111 10.477778 10.544444 10.611111 11 10.012222 10.078889 10.145556 10.212222 10.278889 10.345556 10.412222 10.478889 10.545556 10.612222 12 10.013333 10.080000 10.146667 10.213333 10.280000 10.34666 10.41333 10.480000 10.546667 10.613333 13 10.014444 10.081111 10.147778 10.214444 10.281111 10.347778 10.414444 10.547778 10.614444 10.481111 14 10.015556 10.082222 10.148889 10.215556 10.282222 10.34888 10.415556 10.482222 10.548889 10.615556 15 10.016667 10.083333 10.150000 10.216667 10.283333 10.350000 10.416667 10.483333 10.550000 10.616667 10.284444 16 10.017778 10 084444 10.151111 10.217778 10.351111 10.417778 10.484444 10.551111 10 617778 17 10.018889 10.085556 10.152222 10.218889 10.285556 10.352222 10.41888 10.485556 10.552222 10.618889 18 10.020000 10.086667 10.286667 10.353333 10.420000 10.486667 10.553333 10.620000 10.153333 10.220000 10.354444 19 10.221111 10.021111 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10.032222 10.098889 10.165556 10.232222 10.298889 10.365556 10.432222 10.498889 10.565556 10.632222 30 10.033333 10.100000 10.233333 10.300000 10.366667 10.433333 10.500000 10.566667 10.166667 10.633333 31 10.434444 10.034444 10.101111 10.167778 10.234444 10.301111 10.367778 10.501111 10.567778 10.634444 32 10.035556 10.102222 10.168889 10.235556 10.302222 10.36888 10.435556 10.502222 10.568889 10.635556 33 10.036667 10.103333 10.170000 10.236667 10.303333 10.370000 10.436667 10.503333 10.570000 10.636667 34 10.037778 10.104444 10.171111 10.237778 10.304444 10.371111 10.437778 10.504444 10.57111 10.637778 35 10.038889 10.105556 10.172222 10.238889 10.305556 10.372222 10.438889 10.505556 10.572222 10.638889 10.040000 10.106667 10.173333 10.506667 36 10.240000 10.306667 10.440000 10 640000 10.373333 10.573333 37 10.04111 10.107778 10.174444 10.241111 10.307778 10.374444 10.441111 10.507778 10.574444 10.641111 38 10.042222 10.108889 10.175556 10.242222 10.308889 10.375556 10.442222 10.508889 10.575556 10.642222 39 10.110000 10.176667 10.243333 10.310000 10.443333 10.510000 10.643333 10.043333 10.37666 10.576667 40 10.044444 10.177778 10.311111 10.377778 10.444444 10.511111 10.577778 10.644444 10.111111 10.244444 41 10.045556 10.245556 10.378889 10.445556 10.112222 10.178889 10.312222 10.512222 10.578889 10.645556 42 10.046667 10.113333 10.180000 10.246667 10.313333 10.380000 10.44666 10.513333 10.580000 10.646667 43 10 047778 10 114444 10 181111 10 247778 10 314444 10 381111 10 447778 10 514444 10 581111 10 647778 44 10.048889 10.115556 10.182222 10.248889 10.315556 10.382222 10.448889 10.515556 10.582222 10.648889 45 10.050000 10.116667 10.183333 10.250000 10.316667 10.383333 10.450000 10.516667 10.583333 10.650000 46 10.051111 10.117778 10.184444 10.251111 10.317778 10.384444 10.451111 10.517778 10.584444 10.651111 47 10.05222 10.118889 10.185556 10.252222 10.318889 10.385556 10.452222 10.518889 10.585556 10.652222 48 10.053333 10.120000 10.186667 10.253333 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11.342222   14.08888   11.475556   11.542222   11.608889   11.675556   11.742222   11.808889   11.675556   11.42222   11.478889   11.645561   11.44444   11.81111   11.677778   11.54444   11.81111   11.877778   11.44444   11.81111   11.877778   11.44444   11.81111   11.877778   11.44444   11.81111   11.877778   11.44444   11.81111   11.877778   11.44444   11.81111   11.677778   11.44444   11.81111   11.677778   11.678889   11.475566   11.47222   11.478889   11.475566   11.47222   11.478889   11.475566   11.47222   11.478889   11.475566   11.47222   11.478889   11.47566   11.48222   11.478889   11.475667   11.481449   11.481111   11.547778   11.64444   11.881111   11.477778   11.84444   11.881111   11.477778   11.44444   11.481111   11.547778   11.64467   11.64856   11.65222   11.478889   11.85566   11.62222   11.478889   11.65566   11.62222   11.478889   11.65566   11.62222   11.478889   11.65566   11.62222   11.47889   11.65667   11.62232   11.67888   11.67867		$\overline{}$									
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13 1346867 1143333 11.880000 11.56667 11.613333 11.880000 11.746667 11.813333 11.880000 11.94667 11.813333 11.880000 11.94667 11.813333 11.820000 11.94667 11.813333 11.820000 11.94667 11.83333 11.820000 11.94667 11.83333 11.820000 11.94667 11.83333 11.950000 11.94667 11.83333 11.950000 11.94667 11.83333 11.950000 11.94667 11.83333 11.950000 11.94667 11.83333 11.950000 11.94667 11.935333 11.950000 11.94667 11.935333 11.950000 11.94667 11.935333 11.950000 11.94667 11.935333 11.950000 11.94667 11.935333	10	11.344444	11.411111	11.477778	11.544444	11.611111	11.677778	11.744444	11.811111	11.877778	11.944444
11.34778	11	11.345556	11.412222	11.478889	11.545556	11.612222	11.678889	11.745556	11.812222	11.878889	11.945556
13.4888   11.41556   11.48222   11.54888   11.61556   11.68222   11.74888   11.81556   11.88222   11.94888   11.35111   11.417778   11.484343   11.55111   11.61778   11.68444   11.55111   11.35111   11.417778   11.48444   11.55111   11.61778   11.68444   11.55111   11.817778   11.88444   11.55111   11.85778   11.83333   11.80000   11.886667   11.85333   11.80000   11.86667   11.85333   11.80000   11.886667   11.55333   11.80000   11.86667   11.85333   11.80000   11.886667   11.85333   11.80000   11.856667   11.85333   11.80000   11.856667   11.85333   11.80000   11.856667   11.85333   11.80000   11.856667   11.85333   11.80000   11.856667   11.85333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.85667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.856667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86667   11.83333   11.80000   11.86	12	11.346667	11.413333	11.480000	11.546667	11.613333	11.680000	11.746667	11.813333	11.880000	11.946667
11,350000	13	11.347778	11.414444	11.481111	11.547778	11.614444	11.681111	11.747778	11.814444	11.881111	11.947778
11,35111	14	11.348889	11.415556	11.482222	11.548889	11.615556	11.682222	11.748889	11.815556	11.882222	11.948889
11.352222	15	11.350000	11.416667	11.483333	11.550000	11.616667	11.683333	11.750000	11.816667	11.883333	11.950000
11.352222											
11,353434   11,42000   11,486667   11,553333   11,62000   11,686667   11,753333   11,82000   11,886667   11,953333   11,83000   11,355556   11,422222   11,488889   11,555556   11,622222   11,688889   11,755556   11,822222   11,888889   11,55556   11,356567   11,423333   11,49000   11,556667   11,623333   11,69000   11,756667   11,823333   11,890000   11,95667   11,357778   11,42444   11,491111   11,557778   11,624444   11,691111   11,577778   11,824444   11,891111   11,957778   11,368889   11,425556   11,42525   11,588889   11,625556   11,69222   11,758889   11,825556   11,892222   11,588889   11,360000   11,366667   11,360000   11,36667   11,36000		$\overline{}$									
11.354444   11.421111   11.487778   11.554544   11.621111   11.687778   11.754444   11.821111   11.887778   11.955556   11.355556   11.422222   11.588889   11.555556   11.6223233   11.690000   11.756667   11.823333   11.990000   11.956667   11.35778   11.42444   11.491111   11.567778   11.624444   11.691111   11.757778   11.824444   11.891111   11.957778   11.824444   11.891111   11.957778   11.824444   11.891111   11.857778   11.824444   11.891111   11.857778   11.824444   11.891111   11.857778   11.824444   11.891111   11.85778   11.824444   11.891111   11.85778   11.824444   11.891111   11.85778   11.824444   11.891111   11.85778   11.824444   11.891111   11.85778   11.824444   11.891111   11.827778   11.824444   11.891111   11.82778   11.824689   11.85667   11.82333   11.960000   11.826667   11.823333   11.960000   11.826667   11.823333   11.960000   11.826667   11.823333   11.960000   11.826667   11.823333   11.80000   11.826667   11.82222   11.82889   11.835556   11.82222   11.83889   11.835556   11.82222   11.83889   11.835556   11.82222   11.83889   11.835556   11.82222   11.83889   11.835556   11.832222   11.83889   11.835556   11.832222   11.83889   11.835556   11.832222   11.83889   11.835556   11.832222   11.83889   11.835556   11											
11.355556   11.42222   11.48888   11.55556   11.62222   11.68888   11.755556   11.82222   11.88889   11.95556											
11.356667   11.423333   11.490000   11.556667   11.623333   11.690000   11.756667   11.823333   11.890000   11.956667   11.357778   11.424444   11.491111   11.557778   11.524444   11.691111   11.757778   11.356889   11.425566   11.425566   11.425222   11.558889   11.625566   11.692222   11.756889   11.555566   11.692222   11.756889   11.356556   11.82222   11.58889   11.625566   11.62667   11.633333   11.760000   11.826667   11.826867   11.823333   11.760000   11.826667   11.826867   11.82667		$\overline{}$									
11.357778											
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11.362222											
11.363333	25	11.361111	11.427778	11.494444	11.561111	11.627778	11.694444	11.761111	11.827778	11.894444	11.961111
11.364444	26	11.362222	11.428889	11.495556	11.562222	11.628889	11.695556	11.762222	11.828889	11.895556	11.962222
11.36556 11.43222 11.498889 11.56556 11.632222 11.698889 11.765556 11.832222 11.898889 11.965555 11.366667 11.33333 11.500000 11.566667 11.633333 11.700000 11.766667 11.833333 11.900000 11.966667 11.367778 11.367778 11.34444 11.501111 11.567778 11.63444 11.701111 11.767778 11.834444 11.901111 11.967778 11.368899 11.435556 11.502222 11.568889 11.635556 11.702222 11.768889 11.35556 11.902222 11.968889 11.305556 11.702222 11.768889 11.35556 11.902222 11.968889 11.30000 11.436667 11.503333 11.570000 11.636667 11.703333 11.770000 11.836667 11.903333 11.970000 11.371111 11.437778 11.505556 11.572222 11.638889 11.905556 11.902222 11.368889 11.372222 11.388889 11.905565 11.902222 11.368889 11.373333 11.40000 11.506667 11.573333 11.640000 11.706667 11.773333 11.840000 11.906667 11.973333 11.374444 11.441111 11.507778 11.573444 11.641111 11.707778 11.774444 11.841111 11.907778 11.974444 11.37778 11.376667 11.433333 11.510000 11.576667 11.633333 11.710000 11.776667 11.843333 11.910000 11.976667 11.37778 11.374444 11.44444 11.511111 11.577778 11.644444 11.711111 11.777778 11.844444 11.91111 11.977778 11.378889 11.380000 11.36667 11.53333 11.50000 11.576667 11.633333 11.710000 11.776667 11.843333 11.910000 11.976667 11.380000 11.386667 11.380000 11.380000 11.386667 11.513333 11.580000 11.636667 11.712222 11.78889 11.76556 11.842222 11.78889 11.380000 11.846667 11.513333 11.580000 11.645566 11.712222 11.78889 11.78556 11.842222 11.98889 11.95556 11.82222 11.98889 11.98556 11.982222 11.98889 11.98556 11.982222 11.98889 11.98556 11.384444 11.51111 11.517778 11.584444 11.51111 11.677778 11.584444 11.51111 11.577778 11.584444 11.581111 11.677778 11.786667 11.783333 11.99000 11.966667 11.93333 11.99000 11.966667 11.93333 11.99000 11.966667 11.93333 11.99000 11.966667 11.93333 11.99000 11.966667 11.93333 11.99000 11.966667 11.93333 11.99000 11.956667 11.93333 11.99000 11.956667 11.93333 11.99000 11.956667 11.93333 11.99000 11.956667 11.93333 11.99000 11.956667 11.93333 11.99000 11.956667 11.93333 11.99000 11.956667 11.93333 11.990	27	11.363333	11.430000	11.496667	11.563333	11.630000	11.696667	11.763333	11.830000	11.896667	11.963333
11.366667 11.433333 11.500000 11.566667 11.633333 11.700000 11.766667 11.833333 11.900000 11.966667 11.333333 11.900000 11.966667 11.333333 11.900000 11.366667 11.368889 11.368889 11.368889 11.368889 11.368889 11.368889 11.368889 11.368889 11.368889 11.370000 11.366667 11.703333 11.70000 11.836667 11.903333 11.70000 11.380000 11.38000 11.38000 11.380000 11.380000 11.38000 11.380000 1	28	11.364444	11.431111	11.497778	11.564444	11.631111	11.697778	11.764444	11.831111	11.897778	11.964444
31         11.367778         11.434444         11.501111         11.567778         11.634444         11.701111         11.767778         11.834444         11.901111         11.967778           32         11.368889         11.435556         11.502222         11.568889         11.635556         11.702222         11.768889         11.835556         11.902221         11.968889           33         11.370000         11.436667         11.503333         11.570000         11.636667         11.703333         11.770000         11.836667         11.903333         11.97000           34         11.371111         11.437778         11.504444         11.571111         11.637778         11.704441         11.771111         11.837778         11.904444         11.97111           35         11.373333         11.440000         11.506667         11.573333         11.640001         11.707778         11.774444         11.81111         11.977778         11.574444         11.641111         11.707778         11.757856         11.707778         11.7578933         11.641111         11.707778         11.757856         11.642222         11.708889         11.77556         11.773333         11.840000         11.908899         11.97556         11.92222         11.908889         11.97556         11.77778	29	11.365556	11.432222	11.498889	11.565556	11.632222	11.698889	11.765556	11.832222	11.898889	11.965556
11.368889 11.435556 11.502222 11.568889 11.635556 11.702222 11.768889 11.835556 11.902222 11.968889 11.3770000 11.436667 11.503333 11.570000 11.636667 11.703333 11.770000 11.836667 11.903333 11.970000 31.371111 11.437778 11.504444 11.571111 11.637778 11.704444 11.771111 11.837778 11.904444 11.971111 35 11.372222 11.438889 11.505556 11.572222 11.638889 11.705556 11.772222 11.838899 11.905556 11.972222 36 11.373333 11.440000 11.506667 11.573333 11.640000 11.706667 11.773333 11.840000 11.906667 11.973333 37 11.374444 11.441111 11.507778 11.574444 11.641111 11.707778 11.774444 11.841111 11.907778 11.376555 11.442222 11.508889 11.575556 11.642222 11.708889 11.775556 11.442222 11.908889 11.975556 39 11.376667 11.443333 11.510000 11.576667 11.643333 11.710000 11.776667 11.843333 11.910000 11.976667 11.377778 11.444444 11.511111 11.577778 11.644444 11.711111 11.777778 11.844444 11.91111 11.977778 11.378889 11.445556 11.512222 11.578889 11.645556 11.712222 11.778889 11.845556 11.912222 11.978889 11.380000 11.446667 11.513333 11.580000 11.646667 11.713333 11.780000 11.846667 11.913333 11.50000 11.576667 11.643333 11.780000 11.846667 11.913333 11.50000 11.576667 11.638333 11.50000 11.716667 11.77778 11.64444 11.77778 11.64667 11.77778 11.84444 11.91111 11.877778 11.94444 11.851111 11.877778 11.94444 11.851111 11.877778 11.94444 11.781111 11.877778 11.94444 11.91111 11.877778 11.94444 11.91111 11.877778 11.94444 11.91111 11.977778 11.94444 11.91111 11.977778 11.94444 11.91111 11.977778 11.94444 11.91111 11.977778 11.94444 11.91111 11.977778 11.94444 11.91111 11.977778 11.584444 11.651111 11.777778 11.66667 11.783333 11.90000 11.86667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.923333 11.90000 11.96667 11.923333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.90000 11.96667 11.93333 11.930000 11.96667 11.93333 11.930000 11.996667 11.93333 11.930000 11.996667 11.93333 11	30	11.366667	11.433333	11.500000	11.566667	11.633333	11.700000	11.766667	11.833333	11.900000	11.966667
33         11.370000         11.436667         11.503333         11.570000         11.636667         11.703333         11.770000         11.836667         11.903333         11.970000           34         11.371111         11.437778         11.504444         11.571111         11.637778         11.704444         11.771111         11.838889         11.904444         11.971111           35         11.373333         11.440000         11.506667         11.573333         11.638889         11.705666         11.773222         11.838889         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.97378         11.974444         11.91111         11.57778         11.574444         11.60000         11.775556         11.842222         11.908889         11.975556         11.842222         11.908889         11.975556         11.642222         11.708889         11.775556         11.842444         11.91111         11.977778         11.97878         11.643333         11.717000         11.77667         11.844444         11.71111         11.777778         11.844444	31	11.367778	11.434444	11.501111	11.567778	11.634444	11.701111	11.767778	11.834444	11.901111	11.967778
33         11.370000         11.436667         11.503333         11.570000         11.636667         11.703333         11.770000         11.836667         11.903333         11.970000           34         11.371111         11.437778         11.504444         11.571111         11.637778         11.704444         11.771111         11.838889         11.904444         11.971111           35         11.373333         11.440000         11.506667         11.573333         11.638889         11.705666         11.773222         11.838889         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.973333         11.906667         11.97378         11.974444         11.91111         11.57778         11.574444         11.60000         11.775556         11.842222         11.908889         11.975556         11.842222         11.908889         11.975556         11.642222         11.708889         11.775556         11.842444         11.91111         11.977778         11.97878         11.643333         11.717000         11.77667         11.844444         11.71111         11.777778         11.844444	32	11.368889	11.435556	11.502222	11.568889	11.635556	11.702222	11.768889	11.835556	11.902222	11.968889
34         11.371111         11.437778         11.504444         11.571111         11.638778         11.704444         11.771111         11.837778         11.904444         11.971111           35         11.372222         11.438889         11.505556         11.572222         11.638889         11.705556         11.772222         11.838888         11.905556         11.972222           36         11.373333         11.44000         11.506667         11.573333         11.840000         11.906667         11.773333         11.840000         11.906667         11.773333         11.840000         11.906667         11.773333         11.841111         11.907778         11.574444         11.61111         11.707778         11.76667         11.773333         11.842222         11.908889         11.975556         11.842222         11.908889         11.975556         11.842222         11.908889         11.975556         11.644444         11.71111         11.776667         11.643333         11.71000         11.776667         11.843333         11.91000         11.97667           40         11.378889         11.45556         11.511222         11.578889         11.645566         11.71111         11.77778         11.644444         11.71111         11.77778889         11.845566         11.913333         11.59											
35         11.372222         11.438889         11.505556         11.572222         11.638889         11.705556         11.772222         11.838889         11.905556         11.972222           36         11.373333         11.440000         11.506667         11.573333         11.64000         11.706667         11.773333         11.840000         11.906667         11.973333           37         11.374444         11.441111         11.507878         11.574444         11.61111         11.77774444         11.841111         11.907778         11.974444           38         11.375556         11.443222         11.508889         11.575556         11.642222         11.708889         11.775556         11.842222         11.90000         11.976667           40         11.37778         11.443333         11.510000         11.57778         11.644244         11.71111         11.77778         11.844444         11.91111         11.977778         11.443556         11.512222         11.578889         11.645556         11.712222         11.778889         11.845556         11.912222         11.978889           42         11.380000         11.446667         11.58111         11.647778         11.714444         11.787778         11.747778         11.747778         11.747778         11.747		$\overline{}$									
36         11.373333         11.440000         11.506667         11.573333         11.640000         11.706667         11.773333         11.840000         11.906667         11.973333           37         11.374444         11.441111         11.507778         11.574444         11.641111         11.707778         11.774444         11.841111         11.907778         11.974444           38         11.375556         11.442222         11.508889         11.575556         11.43333         11.51000         11.576667         11.63333         11.775556         11.843333         11.91000         11.776667         11.843333         11.91000         11.776667         11.843333         11.91000         11.77778         11.844444         11.91111         11.977778         11.644444         11.711111         11.777778         11.644444         11.711111         11.777778         11.645556         11.712222         11.778889         11.845556         11.912222         11.978889         11.845556         11.912222         11.978889         11.846667         11.38000         11.446667         11.713333         11.78000         11.846667         11.913333         11.98000         11.384444         11.44444         11.5154444         11.581444         11.647778         11.7144444         11.781111         11.847778											
37         11.374444         11.441111         11.507778         11.574444         11.641111         11.707778         11.774444         11.841111         11.907778         11.974444           38         11.375556         11.442222         11.508889         11.575556         11.62222         11.708889         11.775556         11.842222         11.908889         11.975556           39         11.376667         11.43333         11.510000         11.576667         11.643333         11.710000         11.776667         11.843333         11.910000         11.976667           40         11.37778         11.444444         11.511111         11.577778         11.644444         11.71111         11.777778         11.4445556         11.91222         11.978889         11.455556         11.512222         11.578889         11.645556         11.717111         11.777778         11.446667         11.718889         11.845556         11.913333         11.980000         11.846667         11.73333         11.780000         11.846667         11.913333         11.980000           43         11.380000         11.486667         11.581111         11.647778         11.715556         11.782222         11.848889         11.915556         11.982333         11.915556         11.5823333         11.65000		$\vdash$									
38         11.375556         11.442222         11.508889         11.575556         11.642222         11.708889         11.775556         11.842222         11.908889         11.975556           39         11.376667         11.443333         11.510000         11.576667         11.643333         11.710000         11.776667         11.843333         11.910000         11.976667           40         11.377778         11.444444         11.511111         11.577778         11.644444         11.711111         11.777778         11.843333         11.91000         11.977778           41         11.378889         11.445556         11.513333         11.580000         11.646667         11.713333         11.780000         11.846667         11.913333         11.980000           43         11.381111         11.447778         11.515556         11.582222         11.648889         11.715556         11.782222         11.848889         11.915556         11.982222           45         11.383333         11.515556         11.582222         11.648889         11.715556         11.782222         11.848889         11.915556         11.982222           45         11.383333         11.51556         11.583333         11.650000         11.717778         11.783333         11.850000		$\overline{}$									
11.376667 11.443333 11.510000 11.576667 11.643333 11.710000 11.776667 11.843333 11.910000 11.976667 11.377778 11.444444 11.511111 11.577778 11.644444 11.711111 11.777778 11.844444 11.911111 11.977778 11.378889 11.445556 11.512222 11.578889 11.645556 11.712222 11.778889 11.845556 11.912222 11.978889 11.380000 11.446667 11.513333 11.580000 11.646667 11.713333 11.780000 11.846667 11.913333 11.980000 11.381111 11.447778 11.514444 11.581111 11.647778 11.714444 11.781111 11.847778 11.914444 11.981111 11.382222 11.448889 11.515556 11.512222 11.648889 11.7155556 11.782222 11.848889 11.915556 11.982222 11.383333 11.450000 11.516667 11.583333 11.650000 11.716667 11.783333 11.850000 11.916667 11.983333 11.850000 11.916667 11.384444 11.851111 11.517778 11.584444 11.651111 11.717778 11.784444 11.851111 11.917778 11.984444 11.386667 11.453333 11.520000 11.586667 11.652222 11.718889 11.785556 11.852222 11.918889 11.985556 11.386667 11.453333 11.520000 11.586667 11.653333 11.720000 11.786667 11.853333 11.920000 11.986667 11.387778 11.454444 11.521111 11.587778 11.654444 11.721111 11.787778 11.854444 11.921111 11.987778 11.388889 11.390000 11.456667 11.523333 11.590000 11.656667 11.723333 11.790000 11.856667 11.923333 11.990000 11.39111 11.457778 11.524444 11.591111 11.657778 11.724444 11.791111 11.857778 11.924444 11.991111 11.392222 11.393333 11.460000 11.526667 11.593333 11.660000 11.725556 11.792222 11.858889 11.925556 11.992222 11.98889 11.725556 11.792222 11.85889 11.925556 11.992333 11.990000 11.396667 11.463333 11.590000 11.526667 11.593333 11.6600000 11.726667 11.793333 11.8600000 11.926667 11.993333 11.990000 11.77778 11.524444 11.591111 11.727778 11.724444 11.791111 11.397778 11.924444 11.991111 11.397778 11.396667 11.463333 11.590000 11.596667 11.663333 11.790000 11.796667 11.863333 11.990000 11.996667 11.399333 11.390000 11.996667 11.463333 11.590000 11.596667 11.663333 11.790000 11.796667 11.863333 11.990000 11.996667 11.3997778 11.464444 11.531111 11.597778 11.664444 11.731111 11.797778 11.864444 11.931111 11.997		$\overline{}$									
40       11.377778       11.444444       11.511111       11.577778       11.644444       11.711111       11.777778       11.844444       11.911111       11.977778         41       11.378889       11.445556       11.512222       11.578889       11.645556       11.712222       11.778889       11.845556       11.912222       11.978889         42       11.380000       11.446667       11.513333       11.580000       11.646667       11.713333       11.780000       11.846667       11.913333       11.980000         43       11.381111       11.447778       11.514444       11.581111       11.647778       11.714444       11.781111       11.847778       11.914444       11.981111         44       11.382222       11.448889       11.515556       11.582222       11.648889       11.715556       11.782222       11.848889       11.915556       11.982222         45       11.383333       11.450000       11.516667       11.583333       11.650000       11.717667       11.783333       11.850000       11.916667       11.983333         46       11.384444       11.517778       11.584444       11.651111       11.717778       11.784444       11.851111       11.917778       11.985556       11.852222       11.718899											
41       11.378889       11.445556       11.512222       11.578889       11.645556       11.712222       11.778889       11.845556       11.912222       11.978889         42       11.380000       11.446667       11.513333       11.580000       11.646667       11.713333       11.780000       11.846667       11.913333       11.980000         43       11.381111       11.447778       11.514444       11.581111       11.647778       11.714444       11.781111       11.847778       11.914444       11.981111         44       11.382222       11.448889       11.515556       11.582222       11.648889       11.715556       11.782222       11.848889       11.915556       11.982222         45       11.383333       11.450000       11.516667       11.583333       11.650000       11.716667       11.783333       11.850000       11.916667       11.983333         46       11.384444       11.451111       11.517778       11.585556       11.652222       11.718889       11.785556       11.852222       11.918889       11.985556         48       11.387778       11.454444       11.521111       11.587778       11.6544444       11.721111       11.787778       11.584444       11.721111       11.787778       11.522222 <td< td=""><td></td><td><math>\vdash</math></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		$\vdash$									
42       11.380000       11.446667       11.513333       11.580000       11.646667       11.713333       11.780000       11.846667       11.913333       11.980000         43       11.381111       11.447778       11.514444       11.581111       11.647778       11.714444       11.781111       11.847778       11.914444       11.981111         44       11.382222       11.448889       11.515556       11.582222       11.648889       11.715556       11.782222       11.848889       11.915556       11.982222         45       11.383333       11.450000       11.516667       11.583333       11.650000       11.716667       11.783333       11.850000       11.916667       11.983333         46       11.384444       11.451111       11.517778       11.584444       11.651111       11.717778       11.784444       11.851111       11.917778       11.984444         47       11.385556       11.452222       11.518889       11.585556       11.652222       11.718889       11.785556       11.853333       11.985556         49       11.387778       11.454444       11.521111       11.587778       11.654444       11.721111       11.787778       11.854444       11.921111       11.787778         50       11.391111 <td></td>											
43       11.381111       11.447778       11.514444       11.581111       11.647778       11.714444       11.781111       11.847778       11.914444       11.981111         44       11.382222       11.448889       11.515556       11.582222       11.648889       11.715556       11.782222       11.848889       11.915556       11.982222         45       11.383333       11.450000       11.516667       11.583333       11.650000       11.716667       11.783333       11.850000       11.916667       11.983333         46       11.384444       11.451111       11.517778       11.584444       11.651111       11.717778       11.784444       11.851111       11.917778       11.984444         47       11.385556       11.452222       11.518889       11.55556       11.652222       11.718889       11.785556       11.852222       11.918889       11.985556         48       11.386667       11.453333       11.520000       11.586667       11.653333       11.720000       11.786667       11.853333       11.920000       11.986667         49       11.38778       11.454444       11.521111       11.587778       11.654444       11.721111       11.787778       11.854444       11.921111       11.987778         50											
44       11.382222       11.448889       11.515556       11.582222       11.648889       11.715556       11.782222       11.848889       11.915556       11.982222         45       11.383333       11.450000       11.516667       11.583333       11.650000       11.716667       11.783333       11.850000       11.916667       11.983333         46       11.384444       11.451111       11.517778       11.584444       11.651111       11.717778       11.784444       11.851111       11.917778       11.984444         47       11.385556       11.452222       11.518889       11.585556       11.652222       11.718889       11.785556       11.852222       11.918889       11.985556         48       11.386667       11.453333       11.520000       11.586667       11.6524444       11.721111       11.786667       11.853333       11.920000       11.986667         49       11.387778       11.454444       11.521111       11.587778       11.6544444       11.721111       11.787778       11.854444       11.921111       11.987778         50       11.388889       11.455566       11.522333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52 </td <td></td>											
45       11.383333       11.450000       11.516667       11.583333       11.650000       11.716667       11.783333       11.850000       11.916667       11.983333         46       11.384444       11.451111       11.517778       11.584444       11.651111       11.717778       11.784444       11.851111       11.917778       11.984444         47       11.385556       11.452222       11.518889       11.585556       11.652222       11.718889       11.785556       11.852222       11.918889       11.985556         48       11.386667       11.453333       11.520000       11.586667       11.653333       11.720000       11.785556       11.853333       11.920000       11.986667         49       11.387778       11.4554444       11.521111       11.587778       11.6554444       11.721111       11.787778       11.854444       11.921111       11.987778         50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.992222       11.858889       11.925556 <t< td=""><td>43</td><td>11.381111</td><td>11.447778</td><td>11.514444</td><td></td><td>11.647778</td><td></td><td>11.781111</td><td></td><td>11.914444</td><td>11.981111</td></t<>	43	11.381111	11.447778	11.514444		11.647778		11.781111		11.914444	11.981111
46       11.384444       11.451111       11.517778       11.584444       11.651111       11.717778       11.784444       11.851111       11.917778       11.984444         47       11.385556       11.452222       11.518889       11.585556       11.652222       11.718889       11.785556       11.852222       11.918889       11.985556         48       11.386667       11.453333       11.520000       11.586667       11.653333       11.720000       11.786667       11.853333       11.920000       11.986667         49       11.387778       11.454444       11.521111       11.587778       11.654444       11.721111       11.787778       11.854444       11.921111       11.987778         50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.658778       11.724444       11.791111       11.857778       11.9924444       11.991111         53 <td>44</td> <td>11.382222</td> <td>11.448889</td> <td>11.515556</td> <td>11.582222</td> <td>11.648889</td> <td>11.715556</td> <td>11.782222</td> <td>11.848889</td> <td>11.915556</td> <td>11.982222</td>	44	11.382222	11.448889	11.515556	11.582222	11.648889	11.715556	11.782222	11.848889	11.915556	11.982222
47       11.385556       11.452222       11.518889       11.585556       11.652222       11.718889       11.785556       11.852222       11.918889       11.985556         48       11.386667       11.453333       11.520000       11.586667       11.653333       11.720000       11.786667       11.853333       11.920000       11.986667         49       11.387778       11.454444       11.521111       11.587778       11.654444       11.721111       11.787778       11.854444       11.921111       11.987778         50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.9924444       11.991111         53       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         54 <td>45</td> <td>11.383333</td> <td>11.450000</td> <td>11.516667</td> <td>11.583333</td> <td>11.650000</td> <td>11.716667</td> <td>11.783333</td> <td>11.850000</td> <td></td> <td></td>	45	11.383333	11.450000	11.516667	11.583333	11.650000	11.716667	11.783333	11.850000		
48       11.386667       11.453333       11.520000       11.586667       11.653333       11.720000       11.786667       11.853333       11.920000       11.986667         49       11.387778       11.454444       11.521111       11.587778       11.654444       11.721111       11.787778       11.854444       11.921111       11.987778         50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.994444       11.991111         53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992222         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.80000       11.926667       11.993333         55	46	11.384444	11.451111	11.517778	11.584444	11.651111	11.717778	11.784444	11.851111	11.917778	11.984444
49       11.387778       11.454444       11.521111       11.587778       11.654444       11.721111       11.787778       11.854444       11.921111       11.987778         50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.924444       11.991111         53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992222         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.92889       11.925556	47	11.385556	11.452222	11.518889	11.585556	11.652222	11.718889	11.785556	11.852222	11.918889	11.985556
50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.924444       11.991111         53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992333         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.998889       11.995556         56       11.395556       11.462222       11.528889       11.595556       11.662222       11.72889       11.795556       11.863333       11.930000       11.996667	48	11.386667	11.453333	11.520000	11.586667	11.653333	11.720000	11.786667	11.853333	11.920000	11.986667
50       11.388889       11.455556       11.522222       11.588889       11.655556       11.722222       11.788889       11.855556       11.922222       11.988889         51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.924444       11.991111         53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992222         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.92889       11.795556         56       11.395556       11.462222       11.528889       11.595556       11.663333       11.730000       11.796667       11.863333       11.930000       11.99667	49	11.387778	11.454444	11.521111	11.587778	11.654444	11.721111	11.787778	11.854444	11.921111	11.987778
51       11.390000       11.456667       11.523333       11.590000       11.656667       11.723333       11.790000       11.856667       11.923333       11.990000         52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.924444       11.991111         53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992222         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.994444         56       11.395556       11.462222       11.528889       11.595556       11.662222       11.728889       11.795556       11.862222       11.928889       11.995556         57       11.396667       11.463333       11.530000       11.596667       11.663333       11.730000       11.797778       11.864444       11.931111       11.997778         58 <td>50</td> <td></td> <td>11.455556</td> <td></td> <td>11.588889</td> <td></td> <td></td> <td>11.788889</td> <td></td> <td></td> <td></td>	50		11.455556		11.588889			11.788889			
52       11.391111       11.457778       11.524444       11.591111       11.657778       11.724444       11.791111       11.857778       11.924444       11.991111         53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992222         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.994444         56       11.395556       11.462222       11.528889       11.595556       11.662222       11.728889       11.795556       11.862222       11.928889       11.995556         57       11.396667       11.463333       11.530000       11.596667       11.663333       11.730000       11.797778       11.864444       11.931111       11.997778         58       11.397778       11.464444       11.531111       11.597778       11.664444       11.731111       11.797778       11.864444       11.931111       11.997778											
53       11.392222       11.458889       11.525556       11.592222       11.658889       11.725556       11.792222       11.858889       11.925556       11.992222         54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.994444         56       11.395556       11.462222       11.528889       11.595556       11.662222       11.728889       11.795556       11.862222       11.928889       11.995556         57       11.396667       11.463333       11.530000       11.596667       11.663333       11.730000       11.796667       11.863333       11.930000       11.99667         58       11.397778       11.464444       11.531111       11.597778       11.664444       11.731111       11.7797778       11.864444       11.931111       11.997778											
54       11.393333       11.460000       11.526667       11.593333       11.660000       11.726667       11.793333       11.860000       11.926667       11.993333         55       11.394444       11.461111       11.527778       11.594444       11.661111       11.72778       11.794444       11.861111       11.927778       11.994444         56       11.395556       11.462222       11.528889       11.595556       11.662222       11.728889       11.795556       11.862222       11.928889       11.995556         57       11.396667       11.463333       11.530000       11.596667       11.663333       11.730000       11.796667       11.863444       11.931111       11.997778         58       11.397778       11.464444       11.531111       11.597778       11.664444       11.731111       11.797778       11.864444       11.931111       11.997778											
55       11.394444       11.461111       11.527778       11.594444       11.661111       11.727778       11.794444       11.861111       11.927778       11.994444         56       11.395556       11.462222       11.528889       11.595556       11.662222       11.728889       11.795556       11.862222       11.928889       11.995556         57       11.396667       11.463333       11.530000       11.596667       11.663333       11.730000       11.796667       11.863333       11.930000       11.996667         58       11.397778       11.464444       11.531111       11.597778       11.664444       11.731111       11.797778       11.864444       11.931111       11.997778		$\overline{}$									
56       11.395556       11.462222       11.528889       11.595556       11.662222       11.728889       11.795556       11.862222       11.928889       11.995556         57       11.396667       11.463333       11.530000       11.596667       11.663333       11.730000       11.796667       11.863333       11.930000       11.996667         58       11.397778       11.464444       11.531111       11.597778       11.664444       11.731111       11.797778       11.864444       11.931111       11.997778											
57											
58 11.397778 11.464444 11.531111 11.597778 11.664444 11.731111 11.797778 11.864444 11.931111 11.997778											
		-									
59 [ 11.398889] 11.465556] 11.532222] 11.598889] 11.665556] 11.732222] 11.798889] 11.865556] 11.932222] 11.998889											
	59	11.398889	11.465556	11.532222	11.598889	11.665556	11.732222	11.798889	11.865556	11.932222	11.998889



	•	4	0	•	4	-	0	-	•	•
secondes	0	1	2	3	4	5	6	7	8	9
0	0.000000	0.016667	0.033333	0.050000		0.083333	0.100000	0.116667	0.133333	0.150000
1	0.000278	0.016944	0.033611	0.050278	0.066944	0.083611	0.100278	0.116944	0.133611	0.150278
2	0.000556	0.017222	0.033889	0.050556	0.067222	0.083889	0.100556	0.117222	0.133889	0.150556
3	0.000833	0.017500	0.034167	0.050833	0.067500	0.084167	0.100833	0.117500	0.134167	0.150833
4	0.001111	0.017778	0.034444	0.051111	0.067778	0.084444	0.101111	0.117778	0.134444	0.151111
5	0.001389	0.018056	0.034722	0.051389	0.068056	0.084722	0.101389	0.118056	0.134722	0.151389
6	0.001667	0.018333	0.035000	0.051667	0.068333	0.085000	0.101667	0.118333	0.135000	0.151667
7	0.001944	0.018611	0.035278	0.051944	0.068611	0.085278	0.101944	0.118611	0.135278	0.151944
8	0.002222	0.018889	0.035556	0.052222	0.068889	0.085556	0.102222	0.118889	0.135556	0.152222
9	0.002500	0.019167	0.035833	0.052500	0.069167	0.085833	0.102500	0.119167	0.135833	0.152500
10	0.002778	0.019444	0.036111	0.052778	0.069444	0.086111	0.102778	0.119444	0.136111	0.152778
11	0.003056	0.019722	0.036389	0.053056	0.069722	0.086389	0.103056	0.119722	0.136389	0.153056
12	0.003333	0.020000	0.036667	0.053333	0.070000	0.086667	0.103333	0.120000	0.136667	0.153333
13	0.003611	0.020278	0.036944	0.053611	0.070278	0.086944	0.103611	0.120278	0.136944	0.153611
14	0.003889	0.020556	0.037222	0.053889	0.070556	0.087222	0.103889	0.120556	0.137222	0.153889
15	0.004167	0.020833	0.037500	0.054167	0.070833	0.087500	0.104167	0.120833	0.137500	0.154167
16	0.004444	0.021111	0.037778	0.054444	0.071111	0.087778	0.104444	0.121111	0.137778	0.154444
17	0.004722	0.021389	0.038056	0.054722	0.071389	0.088056	0.104722	0.121389	0.138056	0.154722
18	0.005000	0.021667	0.038333	0.055000	0.071667	0.088333	0.105000	0.121667	0.138333	0.155000
19	0.005278	0.021944	0.038611	0.055278	0.071944	0.088611	0.105278	0.121944	0.138611	0.155278
20	0.005556	0.022222	0.038889	0.055556	0.072222	0.088889	0.105556	0.122222	0.138889	0.155556
21	0.005833	0.022500	0.039167	0.055833	0.072500	0.089167	0.105833	0.122500	0.139167	0.155833
22	0.006111	0.022778	0.039444	0.056111	0.072778	0.089444	0.106111	0.122778	0.139444	0.156111
23	0.006389	0.023056	0.039722	0.056389	0.073056	0.089722	0.106389	0.123056	0.139722	0.156389
24	0.006667	0.023333	0.040000	0.056667	0.073333	0.090000	0.106667	0.123333	0.140000	0.156667
25	0.006944	0.023611	0.040278	0.056944	0.073611	0.090278	0.106944	0.123611	0.140278	0.156944
26	0.007222	0.023889	0.040556	0.057222	0.073889	0.090556	0.107222	0.123889	0.140556	0.157222
27	0.007500	0.024167	0.040833	0.057500	0.074167	0.090833	0.107500	0.124167	0.140833	0.157500
28	0.007778	0.024444	0.041111	0.057778	0.074444	0.091111	0.107778	0.124444	0.141111	0.157778
29	0.008056	0.024722	0.041389	0.058056	0.074722	0.091389	0.108056	0.124722	0.141389	0.158056
30	0.008333	0.025000	0.041667	0.058333	0.075000	0.091667	0.108333	0.125000	0.141667	0.158333
31	0.008611	0.025278	0.041944	0.058611	0.075278	0.091944	0.108611	0.125278	0.141944	0.158611
32	0.008889	0.025556	0.042222	0.058889	0.075556	0.092222	0.108889	0.125556	0.142222	0.158889
33	0.009167	0.025833	0.042500	0.059167	0.075833	0.092500	0.109167	0.125833	0.142500	0.159167
34	0.009444	0.026111	0.042778	0.059444	0.076111	0.092778	0.109444	0.126111	0.142778	0.159444
35	0.009722	0.026389	0.043056	0.059722	0.076389	0.093056	0.109722	0.126389	0.143056	0.159722
36	0.010000	0.026667	0.043333	0.060000	0.076667	0.093333	0.110000	0.126667	0.143333	0.160000
37	0.010278	0.026944	0.043611	0.060278	0.076944	0.093611	0.110278	0.126944	0.143611	0.160278
38	0.010556	0.027222	0.043889	0.060556	0.077222	0.093889	0.110556	0.127222	0.143889	0.160556
39	0.010833	0.027500	0.044167	0.060833	0.077500	0.094167	0.110833	0.127500	0.144167	0.160833
40	0.011111	0.027778	0.044444	0.061111	0.077778	0.094444		0.127778		0.161111
41	0.011389	0.028056	0.044722	0.061389		0.094722	0.111389	0.128056	0.144722	0.161389
42	0.011667	0.028333	0.045000	0.061667	0.078333	0.095000	0.111667	0.128333	0.145000	0.161667
43	0.011944	0.028611	0.045278	0.061944	0.078611	0.095278	0.111944	0.128611	0.145278	0.161944
44	0.012222	0.028889	0.045556	0.062222	0.078889	0.095556	0.112222	0.128889	0.145556	0.162222
45	0.012500	0.029167	0.045833	0.062500	0.079167	0.095833	0.112500	0.129167	0.145833	0.162500
46	0.012778	0.029444	0.046111	0.062778	0.079444	0.096111	0.112778	0.129444	0.146111	0.162778
47	0.013056	0.029722	0.046389	0.063056	0.079722	0.096389	0.113056	0.129722	0.146389	0.163056
48	0.013333	0.030000	0.046667	0.063333	0.080000	0.096667	0.113333	0.130000	0.146667	0.163333
49	0.013611	0.030278	0.046944	0.063611	0.080278	0.096944	0.113611	0.130278	0.146944	0.163611
50	0.013889	0.030556	0.047222	0.063889	0.080556	0.097222	0.113889	0.130556	0.147222	0.163889
51	0.014167	0.030833	0.047500	0.064167	0.080833	0.097500	0.114167	0.130833	0.147500	0.164167
52 52	0.014444	0.031111	0.047778	0.064444	0.081111	0.097778	0.114444	0.131111	0.147778	0.164444
53	0.014722	0.031389	0.048056	0.064722	0.081389	0.098056	0.114722	0.131389	0.148056	0.164722
54 55	0.015000	0.031667	0.048333	0.065000	0.081667	0.098333	0.115000	0.131667	0.148333	0.165000
55	0.015278	0.031944	0.048611	0.065278	0.081944	0.098611	0.115278	0.131944	0.148611	0.165278
56 57	0.015556	0.032222	0.048889	0.065556	0.082222	0.098889	0.115556	0.132222	0.148889	0.165556
57	0.015833	0.032500	0.049167	0.065833	0.082500	0.099167	0.115833	0.132500	0.149167	0.165833
58	0.016111	0.032778	0.049444	0.066111	0.082778	0.099444	0.116111	0.132778	0.149444	0.166111
59	0.016389	0.033056	0.049722	0.066389	0.083056	0.099722	0.116389	0.133056	0.149722	0.166389

12 secondes 16 17 18 19 0.183333 0.200000 0.250000 0.316667 0.166667 0.216667 0.233333 0.266667 0.283333 0.300000 0 0.166944 0.183611 0.200278 0.216944 0.233611 0.250278 0.266944 0.283611 0.300278 0.316944 0.317222 2 0.167222 0.183889 0.200556 0.217222 0.233889 0.250556 0.267222 0.283889 0.300556 3 0.167500 0.284167 0.300833 0.184167 0.200833 0.217500 0.234167 0.250833 0.267500 0.317500 4 0.167778 0.184444 0.201111 0.217778 0.234444 0.251111 0.267778 0.284444 0.301111 0.317778 5 0.168056 0.184722 0.201389 0.218056 0.234722 0.251389 0.268056 0.284722 0.301389 0.318056 0.201667 0.218333 0.235000 0.251667 0.285000 6 0.168333 0.185000 0.268333 0.301667 0.318333 7 0.168611 0.185278 0.201944 0.21861 0.235278 0.251944 0.268611 0.285278 0.301944 0.31861 8 0.168889 0.185556 0.202222 0.218889 0.235556 0.252222 0.268889 0.285556 0.302222 0.318889 0.202500 0.219167 0.235833 0.319167 0.169167 0.185833 0.252500 0.269167 0.302500 9 0.285833 10 0.169444 0.186111 0.202778 0.219444 0.236111 0.252778 0.269444 0.286111 0.302778 0.319444 11 0.169722 0.186389 0.203056 0.219722 0.236389 0.253056 0.269722 0.286389 0.303056 0.319722 12 0.170000 0.186667 0.203333 0.220000 0.236667 0.253333 0.270000 0.286667 0.303333 0.320000 13 0.170278 0.186944 0.220278 0.236944 0.253611 0.270278 0.286944 0.320278 0.203611 0.303611 14 0.170556 0.187222 0.203889 0.220556 0.237222 0.253889 0.270556 0.287222 0.303889 0.320556 15 0.170833 0.187500 0.204167 0.220833 0.237500 0.254167 0.270833 0.287500 0.304167 0.320833 16 0.171111 0.187778 0.204444 0.221111 0.237778 0 254444 0.271111 0.287778 0.304444 0.321111 17 0.171389 0.188056 0.204722 0.221389 0.238056 0.254722 0.271389 0.288056 0.304722 0.321389 18 0.171667 0.188333 0.205000 0.238333 0.255000 0.271667 0.288333 0.305000 0.321667 0.221667 0.221944 0.171944 0.205278 0.255278 0.271944 0.288611 0.305278 0.321944 19 0.188611 0.238611 20 0.172222 0.188889 0.205556 0.22222 0.238889 0.255556 0.272222 0.288889 0.305556 0.322222 0.172500 0.189167 0.205833 0.222500 0.239167 0.272500 0.289167 0.305833 21 0.255833 0.322500 22 0.172778 0.189444 0.206111 0.222778 0.239444 0.256111 0.272778 0.289444 0.306111 0.322778 0.173056 0.189722 0.206389 0.223056 0.239722 0.256389 0.273056 0.289722 0.306389 0.323056 23 0.190000 24 0.173333 0.206667 0.223333 0.240000 0.256667 0.273333 0.290000 0.306667 0.323333 25 0.173611 0.190278 0.206944 0.223611 0.240278 0.256944 0.273611 0.290278 0.306944 0.323611 26 0.173889 0.190556 0.207222 0.223889 0.240556 0.257222 0.273889 0.290556 0.307222 0.323889 27 0.174167 0.190833 0.207500 0.224167 0.240833 0.257500 0.274167 0.290833 0.307500 0.324167 28 0.174444 0.191111 0.207778 0.224444 0.241111 0.257778 0.274444 0.291111 0.307778 0.324444 0.274722 0.224722 0.324722 29 0.174722 0.191389 0.208056 0.241389 0.258056 0.291389 0.308056 30 0.175000 0.191667 0.208333 0.225000 0.241667 0.258333 0.275000 0.291667 0.308333 0.325000 0.175278 0.191944 0.241944 0.291944 31 0.208611 0.225278 0.25861 0.275278 0.308611 0.325278 32 0.175556 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0.948056 0.964722 0.981389 54 0.848333 0.865000 0.881667 0.898333 0.915000 0.931667 0.948333 0.965000 0.981667 0.998333 55 0.848611 0.865278 0.881944 0.898611 0.915278 0.931944 0.948611 0.965278 0.981944 0.998611 0.865556 0.898889 0.965556 0.982222 0.998889 56 0.848889 0.882222 0.915556 0.932222 0.948889 57 0.849167 0.865833 0.882500 0.899167 0.915833 0.932500 0.949167 0.965833 0.982500 0.999167 0.849444 58 0.866111 0.882778 0.899444 0.916111 0.932778 0.949444 0.966111 0.982778 0.999444 0.849722 0.866389 0.883056 0.899722 0.916389 0.933056 0.949722 0.966389 0.983056 0.999722 59



3 – Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

# 3 - Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

	minutes	Alcilles C	ie illiliate.	s en degi	es decim	aux (aligi	es en an	gies		
minutes	0	1	2	3	4	5	6	7	8	9
0.00	0.000000	0.016667	0.033333	0.050000	0.066667	0.083333	0.100000	0.116667	0.133333	0.150000
0.02	0.000333	0.017000	0.033667	0.050333	0.067000	0.083667	0.100333	0.117000	0.133667	0.150333
0.04	0.000667	0.017333	0.034000	0.050667	0.067333	0.084000	0.100667	0.117333	0.134000	0.150667
0.06	0.001000	0.017667	0.034333	0.051000	0.067667	0.084333	0.101000	0.117667	0.134333	0.151000
0.08	0.001333	0.018000	0.034667	0.051333	0.068000	0.084667	0.101333	0.118000	0.134667	0.151333
0.10	0.001667	0.018333	0.035000	0.051667	0.068333	0.085000	0.101667	0.118333	0.135000	0.151667
0.12	0.002000	0.018667	0.035333	0.052000	0.068667	0.085333	0.102000	0.118667	0.135333	0.152000
0.14	0.002333	0.019000	0.035667	0.052333	0.069000	0.085667	0.102333	0.119000	0.135667	0.152333
0.16	0.002667	0.019333	0.036000	0.052667	0.069333	0.086000	0.102667	0.119333	0.136000	0.152667
0.18	0.003000	0.019667	0.036333	0.053000	0.069667	0.086333	0.103000	0.119667	0.136333	0.153000
0.20	0.003333	0.020000	0.036667	0.053333	0.070000	0.086667	0.103333	0.120000	0.136667	0.153333
0.22	0.003667	0.020333	0.037000	0.053667	0.070333	0.087000	0.103667	0.120333	0.137000	0.153667
0.24	0.004000	0.020667	0.037333	0.054000	0.070667	0.087333	0.104000	0.120667	0.137333	0.154000
0.26	0.004333	0.021000	0.037667	0.054333	0.071000	0.087667	0.104333	0.121000	0.137667	0.154333
0.28	0.004667	0.021333	0.038000	0.054667	0.071333	0.088000	0.104667	0.121333	0.138000	0.154667
0.30	0.005000	0.021667	0.038333	0.055000	0.071667	0.088333	0.105000	0.121667	0.138333	0.155000
0.32	0.005333	0.022000	0.038667	0.055333	0.072000	0.088667	0.105333	0.122000	0.138667	0.155333
0.34	0.005667	0.022333	0.039000	0.055667	0.072333	0.089000	0.105667	0.122333	0.139000	0.155667
0.36	0.006000	0.022667	0.039333	0.056000	0.072667	0.089333	0.106000	0.122667	0.139333	0.156000
0.38	0.006333	0.023000	0.039667	0.056333	0.073000	0.089667	0.106333	0.123000	0.139667	0.156333
0.40	0.006667	0.023333	0.040000	0.056667	0.073333	0.090000	0.106667	0.123333	0.140000	0.156667
0.42	0.007000	0.023667	0.040333	0.057000	0.073667	0.090333	0.107000	0.123667	0.140333	0.157000
0.44	0.007333	0.024000	0.040667	0.057333	0.074000	0.090667	0.107333	0.124000	0.140667	0.157333
0.46	0.007667	0.024333	0.041000	0.057667	0.074333	0.091000	0.107667	0.124333	0.141000	0.157667
0.48	0.008000	0.024667	0.041333	0.058000	0.074667	0.091333	0.108000	0.124667	0.141333	0.158000
0.50	0.008333	0.025000	0.041667	0.058333	0.075000	0.091667	0.108333	0.125000	0.141667	0.158333
0.52	0.008667	0.025333	0.042000	0.058667	0.075333	0.092000	0.108667	0.125333	0.142000	0.158667
0.54	0.009000	0.025667	0.042333	0.059000	0.075667	0.092333	0.109000	0.125667	0.142333	0.159000
0.56	0.009333	0.026000	0.042667	0.059333	0.076000	0.092667	0.109333	0.126000	0.142667	0.159333
0.58	0.009667	0.026333	0.043000	0.059667	0.076333	0.093000	0.109667	0.126333	0.143000	0.159667
0.60	0.010000	0.026667	0.043333	0.060000	0.076667	0.093333	0.110000	0.126667	0.143333	0.160000
0.62	0.010333	0.027000	0.043667	0.060333	0.077000	0.093667	0.110333	0.127000	0.143667	0.160333
0.64	0.010667	0.027333	0.044000	0.060667	0.077333	0.094000	0.110667	0.127333	0.144000	0.160667
0.66	0.011000	0.027667	0.044333	0.061000	0.077667	0.094333	0.111000	0.127667	0.144333	0.161000
0.68	0.011333	0.028000	0.044667	0.061333	0.078000	0.094667	0.111333	0.128000	0.144667	0.161333
0.70	0.011667	0.028333	0.045000	0.061667	0.078333	0.095000	0.111667	0.128333	0.145000	0.161667
0.72	0.012000	0.028667	0.045333	0.062000	0.078667	0.095333	0.112000	0.128667	0.145333	0.162000
0.74	0.012333	0.029000	0.045667	0.062333	0.079000	0.095667	0.112333	0.129000	0.145667	0.162333
0.76	0.012667	0.029333	0.046000	0.062667	0.079333	0.096000	0.112667	0.129333	0.146000	0.162667
0.78	0.013000	0.029667	0.046333	0.063000	0.079667	0.096333	0.113000	0.129667	0.146333	0.163000
0.80	0.013333	0.030000	0.046667	0.063333	0.080000	0.096667	0.113333	0.130000	0.146667	0.163333
0.82	0.013667	0.030333	0.047000	0.063667	0.080333	0.097000	0.113667	0.130333	0.147000	0.163667
0.84	0.014000	0.030667	0.047333	0.064000	0.080667	0.097333	0.114000	0.130667	0.147333	0.164000
0.86	0.014333	0.031000	0.047667	0.064333	0.081000	0.097667	0.114333	0.131000	0.147667	0.164333
0.88	0.014667	0.031333	0.048000	0.064667	0.081333	0.098000	0.114667	0.131333	0.148000	0.164667
0.90	0.015000	0.031667	0.048333	0.065000	0.081667	0.098333	0.115000	0.131667	0.148333	0.165000
0.92	0.015333	0.032000	0.048667	0.065333	0.082000	0.098667	0.115333	0.132000	0.148667	0.165333
0.94	0.015667	0.032333	0.049000	0.065667	0.082333	0.099000	0.115667	0.132333	0.149000	0.165667
0.96	0.016000	0.032667	0.049333	0.066000	0.082667	0.099333	0.116000	0.132667	0.149333	0.166000
0.98	0.016333	0.033000	0.049667	0.066333	0.083000	0.099667	0.116333	0.133000	0.149667	0.166333

# 3 - Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

	minutes									
minutes	10	11	12	13	14	15	16	17	18	19
0.00	0.166667	0.183333	0.200000	0.216667	0.233333	0.250000	0.266667	0.283333	0.300000	0.316667
0.02	0.167000	0.183667	0.200333	0.217000	0.233667	0.250333	0.267000	0.283667	0.300333	0.317000
0.04	0.167333	0.184000	0.200667	0.217333	0.234000	0.250667	0.267333	0.284000	0.300667	0.317333
0.06	0.167667	0.184333	0.201000	0.217667	0.234333	0.251000	0.267667	0.284333	0.301000	0.317667
0.08	0.168000	0.184667	0.201333	0.218000	0.234667	0.251333	0.268000	0.284667	0.301333	0.318000
0.10	0.168333	0.185000	0.201667	0.218333	0.235000	0.251667	0.268333	0.285000	0.301667	0.318333
0.12	0.168667	0.185333	0.202000	0.218667	0.235333	0.252000	0.268667	0.285333	0.302000	0.318667
0.14	0.169000	0.185667	0.202333	0.219000	0.235667	0.252333	0.269000	0.285667	0.302333	0.319000
0.16	0.169333	0.186000	0.202667	0.219333	0.236000	0.252667	0.269333	0.286000	0.302667	0.319333
0.18	0.169667	0.186333	0.203000	0.219667	0.236333	0.253000	0.269667	0.286333	0.303000	0.319667
0.20	0.170000	0.186667	0.203333	0.220000	0.236667	0.253333	0.270000	0.286667	0.303333	0.320000
0.22	0.170333	0.187000	0.203667	0.220333	0.237000	0.253667	0.270333	0.287000	0.303667	0.320333
0.24	0.170667	0.187333	0.204000	0.220667	0.237333	0.254000	0.270667	0.287333	0.304000	0.320667
0.26	0.171000	0.187667	0.204333	0.221000	0.237667	0.254333	0.271000	0.287667	0.304333	0.321000
0.28	0.171333	0.188000	0.204667	0.221333	0.238000	0.254667	0.271333	0.288000	0.304667	0.321333
0.30	0.171667	0.188333	0.205000	0.221667	0.238333	0.255000	0.271667	0.288333	0.305000	0.321667
0.32	0.172000	0.188667	0.205333	0.222000	0.238667	0.255333	0.272000	0.288667	0.305333	0.322000
0.34	0.172333	0.189000	0.205667	0.222333	0.239000	0.255667	0.272333	0.289000	0.305667	0.322333
0.36	0.172667	0.189333	0.206000	0.222667	0.239333	0.256000	0.272667	0.289333	0.306000	0.322667
0.38	0.173000	0.189667	0.206333	0.223000	0.239667	0.256333	0.273000	0.289667	0.306333	0.323000
0.40	0.173333	0.190000	0.206667	0.223333	0.240000	0.256667	0.273333	0.290000	0.306667	0.323333
0.42	0.173667	0.190333	0.207000	0.223667	0.240333	0.257000	0.273667	0.290333	0.307000	0.323667
0.44	0.174000	0.190667	0.207333	0.224000	0.240667	0.257333	0.274000	0.290667	0.307333	0.324000
0.46	0.174333	0.191000	0.207667	0.224333	0.241000	0.257667	0.274333	0.291000	0.307667	0.324333
0.48	0.174667	0.191333	0.208000	0.224667	0.241333	0.258000	0.274667	0.291333	0.308000	0.324667
0.50	0.175000	0.191667	0.208333	0.225000	0.241667	0.258333	0.275000	0.291667	0.308333	0.325000
0.52	0.175333	0.192000	0.208667	0.225333	0.242000	0.258667	0.275333	0.292000	0.308667	0.325333
0.54	0.175667	0.192333	0.209000	0.225667	0.242333	0.259000	0.275667	0.292333	0.309000	0.325667
0.56	0.176000	0.192667	0.209333	0.226000	0.242667	0.259333	0.276000	0.292667	0.309333	0.326000
0.58	0.176333	0.193000	0.209667	0.226333	0.243000	0.259667	0.276333	0.293000	0.309667	0.326333
0.60	0.176667	0.193333	0.210000	0.226667	0.243333	0.260000	0.276667	0.293333	0.310000	0.326667
0.62	0.177000	0.193667	0.210333	0.227000	0.243667	0.260333	0.277000	0.293667	0.310333	0.327000
0.64	0.177333	0.194000	0.210667	0.227333	0.244000	0.260667	0.277333	0.294000	0.310667	0.327333
0.66	0.177667	0.194333	0.211000	0.227667	0.244333	0.261000	0.277667	0.294333	0.311000	0.327667
0.68	0.178000	0.194667	0.211333	0.228000	0.244667	0.261333	0.278000	0.294667	0.311333	0.328000
0.70	0.178333	0.195000	0.211667	0.228333	0.245000	0.261667	0.278333	0.295000	0.311667	0.328333
0.72	0.178667	0.195333	0.212000	0.228667	0.245333	0.262000	0.278667	0.295333	0.312000	0.328667
0.74	0.179000	0.195667	0.212333	0.229000	0.245667	0.262333	0.279000	0.295667	0.312333	0.329000
0.76	0.179333	0.196000	0.212667	0.229333	0.246000	0.262667	0.279333	0.296000	0.312667	0.329333
0.78	0.179667	0.196333	0.213000	0.229667	0.246333	0.263000	0.279667	0.296333	0.313000	0.329667
0.80	0.180000	0.196667	0.213333	0.230000	0.246667	0.263333	0.280000	0.296667	0.313333	0.330000
0.82	0.180333	0.197000	0.213667	0.230333	0.247000	0.263667	0.280333	0.297000	0.313667	0.330333
0.84	0.180667	0.197333	0.214000	0.230667	0.247333	0.264000	0.280667	0.297333	0.314000	0.330667
0.86	0.181000	0.197667	0.214333	0.231000	0.247667	0.264333	0.281000	0.297667	0.314333	0.331000
0.88	0.181333	0.198000	0.214667	0.231333	0.248000	0.264667	0.281333	0.298000	0.314667	0.331333
0.90	0.181667	0.198333	0.215000	0.231667	0.248333	0.265000	0.281667	0.298333	0.315000	0.331667
0.92	0.182000	0.198667	0.215333	0.232000	0.248667	0.265333	0.282000	0.298667	0.315333	0.332000
0.94	0.182333	0.199000	0.215667	0.232333	0.249000	0.265667	0.282333	0.299000	0.315667	0.332333
0.96	0.182667	0.199333	0.216000	0.232667	0.249333	0.266000	0.282667	0.299333	0.316000	0.332667
0.98	0.183000	0.199667	0.216333	0.233000	0.249667	0.266333	0.283000	0.299667	0.316333	0.333000

# 3 - Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

	minutes	XIOIIIOO G	io iiiiiiato	o on aogi	oo aooiiii	iaax (angi	oo on an	9.007		
minutes	20	21	22	23	24	25	26	27	28	29
0.00	0.333333	0.350000	0.366667	0.383333	0.400000	0.416667	0.433333	0.450000	0.466667	0.483333
0.02	0.333667	0.350333	0.367000	0.383667	0.400333	0.417000	0.433667	0.450333	0.467000	0.483667
0.04	0.334000	0.350667	0.367333	0.384000	0.400667	0.417333	0.434000	0.450667	0.467333	0.484000
0.06	0.334333	0.351000	0.367667	0.384333	0.401000	0.417667	0.434333	0.451000	0.467667	0.484333
0.08	0.334667	0.351333	0.368000	0.384667	0.401333	0.418000	0.434667	0.451333	0.468000	0.484667
0.10	0.335000	0.351667	0.368333	0.385000	0.401667	0.418333	0.435000	0.451667	0.468333	0.485000
0.12	0.335333	0.352000	0.368667	0.385333	0.402000	0.418667	0.435333	0.452000	0.468667	0.485333
0.14	0.335667	0.352333	0.369000	0.385667	0.402333	0.419000	0.435667	0.452333	0.469000	0.485667
0.16	0.336000	0.352667	0.369333	0.386000	0.402667	0.419333	0.436000	0.452667	0.469333	0.486000
0.18	0.336333	0.353000	0.369667	0.386333	0.403000	0.419667	0.436333	0.453000	0.469667	0.486333
0.20	0.336667	0.353333	0.370000	0.386667	0.403333	0.420000	0.436667	0.453333	0.470000	0.486667
0.22	0.337000	0.353667	0.370333	0.387000	0.403667	0.420333	0.437000	0.453667	0.470333	0.487000
0.24	0.337333	0.354000	0.370667	0.387333	0.404000	0.420667	0.437333	0.454000	0.470667	0.487333
0.26	0.337667	0.354333	0.371000	0.387667	0.404333	0.421000	0.437667	0.454333	0.471000	0.487667
0.28	0.338000	0.354667	0.371333	0.388000	0.404667	0.421333	0.438000	0.454667	0.471333	0.488000
0.30	0.338333	0.355000	0.371667	0.388333	0.405000	0.421667	0.438333	0.455000	0.471667	0.488333
0.32	0.338667	0.355333	0.372000	0.388667	0.405333	0.422000	0.438667	0.455333	0.472000	0.488667
0.34	0.339000	0.355667	0.372333	0.389000	0.405667	0.422333	0.439000	0.455667	0.472333	0.489000
0.36	0.339333	0.356000	0.372667	0.389333	0.406000	0.422667	0.439333	0.456000	0.472667	0.489333
0.38	0.339667	0.356333	0.373000	0.389667	0.406333	0.423000	0.439667	0.456333	0.473000	0.489667
0.40	0.340000	0.356667	0.373333	0.390000	0.406667	0.423333	0.440000	0.456667	0.473333	0.490000
0.42	0.340333	0.357000	0.373667	0.390333	0.407000	0.423667	0.440333	0.457000	0.473667	0.490333
0.44	0.340667	0.357333	0.374000	0.390667	0.407333	0.424000	0.440667	0.457333	0.474000	0.490667
0.46	0.341000	0.357667	0.374333	0.391000	0.407667	0.424333	0.441000	0.457667	0.474333	0.491000
0.48	0.341333	0.358000	0.374667	0.391333	0.408000	0.424667	0.441333	0.458000	0.474667	0.491333
0.50	0.341667	0.358333	0.375000	0.391667	0.408333	0.425000	0.441667	0.458333	0.475000	0.491667
0.52	0.342000	0.358667	0.375333	0.392000	0.408667	0.425333	0.442000	0.458667	0.475333	0.492000
0.54	0.342333	0.359000	0.375667	0.392333	0.409000	0.425667	0.442333	0.459000	0.475667	0.492333
0.56	0.342667	0.359333	0.376000	0.392667	0.409333	0.426000	0.442667	0.459333	0.476000	0.492667
0.58	0.343000	0.359667	0.376333	0.393000	0.409667	0.426333	0.443000	0.459667	0.476333	0.493000
0.60	0.343333	0.360000	0.376667	0.393333	0.410000	0.426667	0.443333	0.460000	0.476667	0.493333
0.62	0.343667	0.360333	0.377000	0.393667	0.410333	0.427000	0.443667	0.460333	0.477000	0.493667
0.64	0.344000	0.360667	0.377333	0.394000	0.410667	0.427333	0.444000	0.460667	0.477333	0.494000
0.66	0.344333	0.361000	0.377667	0.394333	0.411000	0.427667	0.444333	0.461000	0.477667	0.494333
0.68	0.344667	0.361333	0.378000	0.394667	0.411333	0.428000	0.444667	0.461333	0.478000	0.494667
0.70	0.345000	0.361667	0.378333	0.395000	0.411667	0.428333	0.445000	0.461667	0.478333	0.495000
0.72	0.345333	0.362000	0.378667	0.395333	0.412000	0.428667	0.445333	0.462000	0.478667	0.495333
0.74	0.345667	0.362333	0.379000	0.395667	0.412333	0.429000	0.445667	0.462333	0.479000	0.495667
0.76	0.346000	0.362667	0.379333	0.396000	0.412667	0.429333	0.446000	0.462667	0.479333	0.496000
0.78	0.346333	0.363000	0.379667	0.396333	0.413000	0.429667	0.446333	0.463000	0.479667	0.496333
0.80	0.346667	0.363333	0.380000	0.396667	0.413333	0.430000	0.446667	0.463333	0.480000	0.496667
0.82	0.347000	0.363667	0.380333	0.397000	0.413667	0.430333	0.447000	0.463667	0.480333	0.497000
0.84	0.347333	0.364000	0.380667	0.397333	0.414000	0.430667	0.447333	0.464000	0.480667	0.497333
0.86	0.347667	0.364333	0.381000	0.397667	0.414333	0.431000	0.447667	0.464333	0.481000	0.497667
0.88	0.348000	0.364667	0.381333	0.398000	0.414667	0.431333	0.448000	0.464667	0.481333	0.498000
0.90	0.348333	0.365000	0.381667	0.398333	0.415000	0.431667	0.448333	0.465000	0.481667	0.498333
0.92	0.348667	0.365333	0.382000	0.398667	0.415333	0.432000	0.448667	0.465333	0.482000	0.498667
0.94	0.349000	0.365667	0.382333	0.399000	0.415667	0.432333	0.449000	0.465667	0.482333	0.499000
0.96	0.349333	0.366000	0.382667	0.399333	0.416000	0.432667	0.449333	0.466000	0.482667	0.499333
0.98	0.349667	0.366333	0.383000	0.399667	0.416333	0.433000	0.449667	0.466333	0.483000	0.499667

### 3 - Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

	minutes	XIEIIIES C	ie illillute:	s en degi	es decili	iaux (aligi	ies en an	gies)		
minutes	30	31	32	33	34	35	36	37	38	39
0.00	0.500000	0.516667	0.533333	0.550000	0.566667	0.583333	0.600000	0.616667	0.633333	0.650000
0.02	0.500333	0.517000	0.533667	0.550333	0.567000	0.583667	0.600333	0.617000	0.633667	0.650333
0.04	0.500667	0.517333	0.534000	0.550667	0.567333	0.584000	0.600667	0.617333	0.634000	0.650667
0.06	0.501000	0.517667	0.534333	0.551000	0.567667	0.584333	0.601000	0.617667	0.634333	0.651000
0.08	0.501333	0.518000	0.534667	0.551333	0.568000	0.584667	0.601333	0.618000	0.634667	0.651333
0.10	0.501667	0.518333	0.535000	0.551667	0.568333	0.585000	0.601667	0.618333	0.635000	0.651667
0.12	0.502000	0.518667	0.535333	0.552000	0.568667	0.585333	0.602000	0.618667	0.635333	0.652000
0.14	0.502333	0.519000	0.535667	0.552333	0.569000	0.585667	0.602333	0.619000	0.635667	0.652333
0.16	0.502667	0.519333	0.536000	0.552667	0.569333	0.586000	0.602667	0.619333	0.636000	0.652667
0.18	0.503000	0.519667	0.536333	0.553000	0.569667	0.586333	0.603000	0.619667	0.636333	0.653000
0.20	0.503333	0.520000	0.536667	0.553333	0.570000	0.586667	0.603333	0.620000	0.636667	0.653333
0.22	0.503667	0.520333	0.537000	0.553667	0.570333	0.587000	0.603667	0.620333	0.637000	0.653667
0.24	0.504000	0.520667	0.537333	0.554000	0.570667	0.587333	0.604000	0.620667	0.637333	0.654000
0.26	0.504333	0.521000	0.537667	0.554333	0.571000	0.587667	0.604333	0.621000	0.637667	0.654333
0.28	0.504667	0.521333	0.538000	0.554667	0.571333	0.588000	0.604667	0.621333	0.638000	0.654667
0.30	0.505000	0.521667	0.538333	0.555000	0.571667	0.588333	0.605000	0.621667	0.638333	0.655000
0.32	0.505333	0.522000	0.538667	0.555333	0.572000	0.588667	0.605333	0.622000	0.638667	0.655333
0.34	0.505667	0.522333	0.539000	0.555667	0.572333	0.589000	0.605667	0.622333	0.639000	0.655667
0.36	0.506000	0.522667	0.539333	0.556000	0.572667	0.589333	0.606000	0.622667	0.639333	0.656000
0.38	0.506333	0.523000	0.539667	0.556333	0.573000	0.589667	0.606333	0.623000	0.639667	0.656333
0.40	0.506667	0.523333	0.540000	0.556667	0.573333	0.590000	0.606667	0.623333	0.640000	0.656667
0.42	0.507000	0.523667	0.540333	0.557000	0.573667	0.590333	0.607000	0.623667	0.640333	0.657000
0.44	0.507333	0.524000	0.540667	0.557333	0.574000	0.590667	0.607333	0.624000	0.640667	0.657333
0.46	0.507667	0.524333	0.541000	0.557667	0.574333	0.591000	0.607667	0.624333	0.641000	0.657667
0.48	0.508000	0.524667	0.541333	0.558000	0.574667	0.591333	0.608000	0.624667	0.641333	0.658000
0.50	0.508333	0.525000	0.541667	0.558333	0.575000	0.591667	0.608333	0.625000	0.641667	0.658333
0.52	0.508667	0.525333	0.542000	0.558667	0.575333	0.592000	0.608667	0.625333	0.642000	0.658667
0.54	0.509000	0.525667	0.542333	0.559000	0.575667	0.592333	0.609000	0.625667	0.642333	0.659000
0.56	0.509333	0.526000	0.542667	0.559333	0.576000	0.592667	0.609333	0.626000	0.642667	0.659333
0.58	0.509667	0.526333	0.543000	0.559667	0.576333	0.593000	0.609667	0.626333	0.643000	0.659667
0.60	0.510000	0.526667	0.543333	0.560000	0.576667	0.593333	0.610000	0.626667	0.643333	0.660000
0.62	0.510333	0.527000	0.543667	0.560333	0.577000	0.593667	0.610333	0.627000	0.643667	0.660333
0.64	0.510667	0.527333	0.544000	0.560667	0.577333	0.594000	0.610667	0.627333	0.644000	0.660667
0.66	0.511000	0.527667	0.544333	0.561000	0.577667	0.594333	0.611000	0.627667	0.644333	0.661000
0.68	0.511333	0.528000	0.544667	0.561333	0.578000	0.594667	0.611333	0.628000	0.644667	0.661333
0.70	0.511667	0.528333	0.545000	0.561667	0.578333	0.595000	0.611667	0.628333	0.645000	0.661667
0.72	0.512000	0.528667	0.545333	0.562000	0.578667	0.595333	0.612000	0.628667	0.645333	0.662000
0.74	0.512333	0.529000	0.545667	0.562333	0.579000	0.595667	0.612333	0.629000	0.645667	0.662333
0.76	0.512667	0.529333	0.546000	0.562667	0.579333	0.596000	0.612667	0.629333	0.646000	0.662667
0.78	0.513000	0.529667	0.546333	0.563000	0.579667	0.596333	0.613000	0.629667	0.646333	0.663000
0.80	0.513333	0.530000	0.546667	0.563333	0.580000	0.596667	0.613333	0.630000	0.646667	0.663333
0.82	0.513667	0.530333	0.547000	0.563667	0.580333	0.597000	0.613667	0.630333	0.647000	0.663667
0.84	0.514000	0.530667	0.547333	0.564000	0.580667	0.597333	0.614000	0.630667	0.647333	0.664000
0.86	0.514333	0.531000	0.547667	0.564333	0.581000	0.597667	0.614333	0.631000	0.647667	0.664333
0.88	0.514667	0.531333	0.548000	0.564667	0.581333	0.598000	0.614667	0.631333	0.648000	0.664667
0.90	0.515000	0.531667	0.548333	0.565000	0.581667	0.598333	0.615000	0.631667	0.648333	0.665000
0.92	0.515333	0.532000	0.548667	0.565333	0.582000	0.598667	0.615333	0.632000	0.648667	0.665333
0.94	0.515667	0.532333	0.549000	0.565667	0.582333	0.599000	0.615667	0.632333	0.649000	0.665667
0.96	0.516000	0.532667	0.549333	0.566000	0.582667	0.599333	0.616000	0.632667	0.649333	0.666000
0.98	0.516333	0.533000	0.549667	0.566333	0.583000	0.599667	0.616333	0.633000	0.649667	0.666333

#### 3 - Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

minutes 48 49 0.683333 0.700000 0.750000 0.00 0.666667 0.716667 0.733333 0.766667 0.783333 0.800000 0.816667 0.02 0.667000 0.683667 0.700333 0.717000 0.733667 0.750333 0.767000 0.783667 0.800333 0.817000 0.04 0.667333 0.684000 0.700667 0.717333 0.734000 0.750667 0.767333 0.784000 0.800667 0.817333 0.817667 0.06 0.667667 0.684333 0.701000 0.717667 0.734333 0.751000 0.767667 0.784333 0.801000 0.734667 0.08 0.668000 0.684667 0.701333 0.718000 0.751333 0.768000 0.784667 0.801333 0.818000 0.10 0.668333 0.685000 0.701667 0.718333 0.735000 0.751667 0.768333 0.785000 0.801667 0.818333 0.752000 0.12 0.668667 0.685333 0.702000 0.718667 0.735333 0.768667 0.785333 0.802000 0.818667 0.14 0.669000 0.685667 0.702333 0.719000 0.735667 0.752333 0.769000 0.785667 0.802333 0.819000 0.16 0.669333 0.686000 0.702667 0.719333 0.736000 0.752667 0.769333 0.786000 0.802667 0.819333 0.719667 0.736333 0.819667 0.753000 0.769667 0.786333 0.803000 0.18 0.669667 0.686333 0.703000 0.20 0.670000 0.686667 0.703333 0.720000 0.736667 0.753333 0.770000 0.786667 0.803333 0.820000 0.22 0.670333 0.687000 0.703667 0.720333 0.737000 0.753667 0.770333 0.787000 0.803667 0.820333 0.24 0.67066 0.687333 0.704000 0.720667 0.737333 0.754000 0.770667 0.787333 0.804000 0.82066 0.704333 0.26 0.671000 0.721000 0.754333 0.771000 0.787667 0.821000 0.687667 0.737667 0.804333 0.28 0.67133 0.688000 0.704667 0.721333 0.738000 0.754667 0.771333 0.788000 0.804667 0.821333 0.30 0.671667 0.688333 0.705000 0.721667 0.738333 0.755000 0.771667 0.788333 0.805000 0.821667 0.738667 0.32 0.688667 0.705333 0.722000 0.755333 0.772000 0.788667 0.805333 0.822000 0.672000 0.34 0.672333 0.689000 0.70566 0.722333 0.739000 0.755667 0.772333 0.789000 0.805667 0.822333 0.36 0.672667 0.689333 0.706000 0.722667 0.739333 0.756000 0.772667 0.789333 0.806000 0.822667 0.689667 0.723000 0.739667 0.756333 0.773000 0.38 0.673000 0.706333 0.789667 0.806333 0.823000 0.40 0.673333 0.690000 0.706667 0.723333 0.740000 0.756667 0.773333 0.790000 0.806667 0.823333 0.42 0.690333 0.707000 0.723667 0.740333 0.757000 0.773667 0.790333 0.807000 0.673667 0.823667 0.44 0.674000 0.690667 0.707333 0.724000 0.740667 0.757333 0.774000 0.790667 0.807333 0.824000 0.674333 0.691000 0.707667 0.724333 0.741000 0.757667 0.774333 0.791000 0.807667 0.46 0.824333 0.708000 0.774667 0.48 0.674667 0.691333 0.724667 0.741333 0.758000 0.791333 0.808000 0.824667 0.50 0.675000 0.691667 0.708333 0.725000 0.741667 0.758333 0.775000 0.791667 0.808333 0.825000 0.758667 0.725333 0.52 0.675333 0.692000 0.708667 0.742000 0.775333 0.792000 0.808667 0.825333 0.54 0.675667 0.692333 0.709000 0.725667 0.742333 0.759000 0.775667 0.792333 0.809000 0.825667 0.56 0.676000 0.692667 0.709333 0.726000 0.742667 0.759333 0.776000 0.792667 0.809333 0.826000 0.709667 0.759667 0.58 0.67633 0.693000 0.726333 0.743000 0.776333 0.793000 0.809667 0.826333 0.60 0.693333 0.710000 0.726667 0.743333 0.760000 0.776667 0.793333 0.810000 0.826667 0.676667 0.62 0.677000 0.710333 0.727000 0.743667 0.760333 0.793667 0.693667 0.777000 0.810333 0.827000 0.64 0.677333 0.694000 0.710667 0.727333 0.744000 0.760667 0.777333 0.794000 0.810667 0.827333 0.66 0.677667 0.694333 0.711000 0.727667 0.744333 0.761000 0.777667 0.794333 0.811000 0.827667 0.68 0.678000 0.694667 0.711333 0.728000 0.744667 0.761333 0.778000 0.794667 0.811333 0.828000 0.70 0.678333 0.695000 0.711667 0.728333 0.745000 0.761667 0.778333 0.795000 0.811667 0.828333 0.678667 0.728667 0.778667 0.712000 0.745333 0.795333 0.828667 0.72 0.695333 0.762000 0.812000 0.74 0.679000 0.695667 0.712333 0.729000 0.745667 0.762333 0.779000 0.795667 0.812333 0.829000 0.76 0.679333 0.696000 0.712667 0.729333 0.746000 0.762667 0.779333 0.796000 0.812667 0.829333 0.679667 0.78 0.696333 0.713000 0.729667 0.746333 0.763000 0.779667 0.796333 0.829667 0.813000 0.80 0.680000 0.713333 0.730000 0.746667 0.763333 0.780000 0.796667 0.813333 0.830000 0.696667 0.82 0.747000 0.797000 0.680333 0.697000 0.713667 0.730333 0.763667 0.780333 0.813667 0.830333 0.84 0.68066 0.697333 0.714000 0.730667 0.747333 0.764000 0.780667 0.797333 0.814000 0.830667 0.86 0.681000 0.697667 0.714333 0.731000 0.747667 0.764333 0.781000 0.797667 0.814333 0.831000 0.88 0.681333 0.698000 0.714667 0.731333 0.748000 0.764667 0.781333 0.798000 0.814667 0.831333 0.90 0.681667 0.698333 0.715000 0.731667 0.748333 0.765000 0.781667 0.798333 0.815000 0.831667 0.92 0.682000 0.698667 0.715333 0.732000 0.748667 0.765333 0.782000 0.798667 0.815333 0.832000 0.94 0.68233 0.699000 0.715667 0.732333 0.749000 0.765667 0.782333 0.799000 0.815667 0.832333 0.96 0.682667 0.699333 0.716000 0.732667 0.749333 0.766000 0.782667 0.799333 0.816000 0.832667 0.749667 0.98 0.683000 0.699667 0.716333 0.733000 0.766333 0.783000 0.799667 0.816333 0.833000

### 3 - Minutes et dixièmes de minutes en degrés décimaux (angles en angles)

	minutes	ixieilles c	ie illiliate.	s en degi	es decim	aux (angi	ies en an	gies <i>j</i>		
minutes	50	51	52	53	54	55	56	57	58	59
0.00	0.833333	0.850000	0.866667	0.883333	0.900000	0.916667	0.933333	0.950000	0.966667	0.983333
0.02	0.833667	0.850333	0.867000	0.883667	0.900333	0.917000	0.933667	0.950333	0.967000	0.983667
0.04	0.834000	0.850667	0.867333	0.884000	0.900667	0.917333	0.934000	0.950667	0.967333	0.984000
0.06	0.834333	0.851000	0.867667	0.884333	0.901000	0.917667	0.934333	0.951000	0.967667	0.984333
0.08	0.834667	0.851333	0.868000	0.884667	0.901333	0.918000	0.934667	0.951333	0.968000	0.984667
0.10	0.835000	0.851667	0.868333	0.885000	0.901667	0.918333	0.935000	0.951667	0.968333	0.985000
0.12	0.835333	0.852000	0.868667	0.885333	0.902000	0.918667	0.935333	0.952000	0.968667	0.985333
0.14	0.835667	0.852333	0.869000	0.885667	0.902333	0.919000	0.935667	0.952333	0.969000	0.985667
0.16	0.836000	0.852667	0.869333	0.886000	0.902667	0.919333	0.936000	0.952667	0.969333	0.986000
0.18	0.836333	0.853000	0.869667	0.886333	0.903000	0.919667	0.936333	0.953000	0.969667	0.986333
0.20	0.836667	0.853333	0.870000	0.886667	0.903333	0.920000	0.936667	0.953333	0.970000	0.986667
0.22	0.837000	0.853667	0.870333	0.887000	0.903667	0.920333	0.937000	0.953667	0.970333	0.987000
0.24	0.837333	0.854000	0.870667	0.887333	0.904000	0.920667	0.937333	0.954000	0.970667	0.987333
0.26	0.837667	0.854333	0.871000	0.887667	0.904333	0.921000	0.937667	0.954333	0.971000	0.987667
0.28	0.838000	0.854667	0.871333	0.888000	0.904667	0.921333	0.938000	0.954667	0.971333	0.988000
0.30	0.838333	0.855000	0.871667	0.888333	0.905000	0.921667	0.938333	0.955000	0.971667	0.988333
0.32	0.838667	0.855333	0.872000	0.888667	0.905333	0.922000	0.938667	0.955333	0.972000	0.988667
0.34	0.839000	0.855667	0.872333	0.889000	0.905667	0.922333	0.939000	0.955667	0.972333	0.989000
0.36	0.839333	0.856000	0.872667	0.889333	0.906000	0.922667	0.939333	0.956000	0.972667	0.989333
0.38	0.839667	0.856333	0.873000	0.889667	0.906333	0.923000	0.939667	0.956333	0.973000	0.989667
0.40	0.840000	0.856667	0.873333	0.890000	0.906667	0.923333	0.940000	0.956667	0.973333	0.990000
0.42	0.840333	0.857000	0.873667	0.890333	0.907000	0.923667	0.940333	0.957000	0.973667	0.990333
0.44	0.840667	0.857333	0.874000	0.890667	0.907333	0.924000	0.940667	0.957333	0.974000	0.990667
0.46	0.841000	0.857667	0.874333	0.891000	0.907667	0.924333	0.941000	0.957667	0.974333	0.991000
0.48	0.841333	0.858000	0.874667	0.891333	0.908000	0.924667	0.941333	0.958000	0.974667	0.991333
0.50	0.841667	0.858333	0.875000	0.891667	0.908333	0.925000	0.941667	0.958333	0.975000	0.991667
0.52	0.842000	0.858667	0.875333	0.892000	0.908667	0.925333	0.942000	0.958667	0.975333	0.992000
0.54	0.842333	0.859000	0.875667	0.892333	0.909000	0.925667	0.942333	0.959000	0.975667	0.992333
0.56	0.842667	0.859333	0.876000	0.892667	0.909333	0.926000	0.942667	0.959333	0.976000	0.992667
0.58	0.843000	0.859667	0.876333	0.893000	0.909667	0.926333	0.943000	0.959667	0.976333	0.993000
0.60	0.843333	0.860000	0.876667	0.893333	0.910000	0.926667	0.943333	0.960000	0.976667	0.993333
0.62	0.843667	0.860333	0.877000	0.893667	0.910333	0.927000	0.943667	0.960333	0.977000	0.993667
0.64	0.844000	0.860667	0.877333	0.894000	0.910667	0.927333	0.944000	0.960667	0.977333	0.994000
0.66	0.844333	0.861000	0.877667	0.894333	0.911000	0.927667	0.944333	0.961000	0.977667	0.994333
0.68	0.844667	0.861333	0.878000	0.894667	0.911333	0.928000	0.944667	0.961333	0.978000	0.994667
0.70	0.845000	0.861667	0.878333	0.895000	0.911667	0.928333	0.945000	0.961667	0.978333	0.995000
0.72	0.845333	0.862000	0.878667	0.895333	0.912000	0.928667	0.945333	0.962000	0.978667	0.995333
0.74	0.845667	0.862333	0.879000	0.895667	0.912333	0.929000	0.945667	0.962333	0.979000	0.995667
0.76	0.846000	0.862667	0.879333	0.896000	0.912667	0.929333	0.946000	0.962667	0.979333	0.996000
0.78	0.846333	0.863000	0.879667	0.896333	0.913000	0.929667	0.946333	0.963000	0.979667	0.996333
0.80	0.846667	0.863333		0.896667	0.913333	0.930000	0.946667	0.963333	0.980000	0.996667
0.82	0.847000	0.863667	0.880333	0.897000	0.913667	0.930333	0.947000	0.963667	0.980333	0.997000
0.84	0.847333	0.864000	0.880667	0.897333	0.914000	0.930667	0.947333	0.964000	0.980667	0.997333
0.86	0.847667	0.864333	0.881000	0.897667	0.914333	0.931000	0.947667	0.964333	0.981000	0.997667
0.88	0.848000	0.864667	0.881333	0.898000	0.914667	0.931333	0.948000	0.964667	0.981333	0.998000
0.90	0.848333	0.865000	0.881667	0.898333	0.915000	0.931667	0.948333	0.965000	0.981667	0.998333
0.92	0.848667	0.865333	0.882000	0.898667	0.915333	0.932000	0.948667	0.965333	0.982000	0.998667
0.94	0.849000	0.865667	0.882333	0.899000	0.915667	0.932333	0.949000	0.965667	0.982333	0.999000
0.96	0.849333	0.866000	0.882667	0.899333	0.916000	0.932667	0.949333	0.966000	0.982667	0.999333
0.98	0.849667	0.866333	0.883000	0.899667	0.916333	0.933000	0.949667	0.966333	0.983000	0.999667



15° par heure

	minutes									
secondes	0	1	2	3	4	5	6	7	8	9
0	0°00.00'	0°15.00'	0°30.00'	0°45.00'	1°00.00'	1°15.00'	1°30.00'	1°45.00'	2°00.00'	2°15.00'
1	0°00.25'	0°15.25'	0°30.25'	0°45.25'	1°00.25'	1°15.25'	1°30.25'	1°45.25'	2°00.25'	2°15.25'
2	0°00.50'	0°15.50'	0°30.50'	0°45.50'	1°00.50'	1°15.50'	1°30.50'	1°45.50'	2°00.50'	2°15.50'
3	0°00.75'	0°15.75'	0°30.75'	0°45.75'	1°00.75'	1°15.75'	1°30.75'	1°45.75'	2°00.75'	2°15.75'
4	0°01.00'	0°16.00'	0°31.00'	0°46.00'	1°01.00'	1°16.00'	1°31.00'	1°46.00'	2°01.00'	2°16.00'
5	0°01.25'	0°16.25'	0°31.25'	0°46.25'	1°01.25'	1°16.25'	1°31.25'	1°46.25'	2°01.25'	2°16.25'
6	0°01.50'	0°16.50'	0°31.50'	0°46.50'	1°01.50'	1°16.50'	1°31.50'	1°46.50'	2°01.50'	2°16.50'
7	0°01.75'	0°16.75'	0°31.75'	0°46.75'	1°01.75'	1°16.75'	1°31.75'	1°46.75'	2°01.75'	2°16.75'
8	0°02.00'	0°17.00'	0°32.00'	0°47.00'	1°02.00'	1°17.00'	1°32.00'	1°47.00'	2°02.00'	2°17.00'
9	0°02.25'	0°17.25'	0°32.25'	0°47.25'	1°02.25'	1°17.25'	1°32.25'	1°47.25'	2°02.25'	2°17.25'
10	0°02.50'	0°17.50'	0°32.50'	0°47.50'	1°02.50'	1°17.50'	1°32.50'	1°47.50'	2°02.50'	2°17.50'
11	0°02.75'	0°17.75'	0°32.75'	0°47.75'	1°02.75'	1°17.75'	1°32.75'	1°47.75'	2°02.75'	2°17.75'
12	0°03.00'	0°18.00'	0°33.00'	0°48.00'	1°03.00'	1°18.00'	1°33.00'	1°48.00'	2°03.00'	2°18.00'
13	0°03.25'	0°18.25'	0°33.25'	0°48.25'	1°03.25'	1°18.25'	1°33.25'	1°48.25'	2°03.25'	2°18.25'
14	0°03.50'	0°18.50'	0°33.50'	0°48.50'	1°03.50'	1°18.50'	1°33.50'	1°48.50'	2°03.50'	2°18.50'
15	0°03.75'	0°18.75'	0°33.75'	0°48.75'	1°03.75'	1°18.75'	1°33.75'	1°48.75'	2°03.75'	2°18.75'
16	0°04.00'	0°19.00'	0°34.00'	0°49.00'	1°04.00'	1°19.00' 1°19.25'	1°34.00'	1°49.00'	2°04.00'	2°19.00'
17	0°04.25'	0°19.25' 0°19.50'	0°34.25'	0°49.25'	1°04.25'	1°19.25	1°34.25'	1°49.25' 1°49.50'	2°04.25' 2°04.50'	2°19.25'
18 10	0°04.50' 0°04.75'	0°19.50	0°34.50' 0°34.75'	0°49.50' 0°49.75'	1°04.50' 1°04.75'	1°19.50	1°34.50' 1°34.75'	1°49.50	2°04.75'	2°19.50' 2°19.75'
19 20	0°05.00'	0°19.75	0°35.00'	0°50.00'	1°05.00'	1°20.00'	1°35.00'	1°50.00'	2°05.00'	2°20.00'
21	0°05.25'	0°20.25'	0°35.25'	0°50.25'	1°05.00	1°20.25'	1°35.00	1°50.25'	2°05.25'	2°20.25'
22	0°05.50'	0°20.50'	0°35.50'	0°50.50'	1°05.50'	1°20.50'	1°35.50'	1°50.50'	2°05.50'	2°20.50'
23	0°05.75'	0°20.75'	0°35.75'	0°50.75'	1°05.75'	1°20.75'	1°35.75'	1°50.75'	2°05.75'	2°20.75'
24	0°06.00'	0°21.00'	0°36.00'	0°51.00'	1°06.00'	1°21.00'	1°36.00'	1°51.00'	2°06.00'	2°21.00'
25	0°06.25'	0°21.25'	0°36.25'	0°51.25'	1°06.25'	1°21.25'	1°36.25'	1°51.25'	2°06.25'	2°21.25'
26	0°06.50'	0°21.50'	0°36.50'	0°51.50'	1°06.50'	1°21.50'	1°36.50'	1°51.50'	2°06.50'	2°21.50'
27	0°06.75'	0°21.75'	0°36.75'	0°51.75'	1°06.75'	1°21.75'	1°36.75'	1°51.75'	2°06.75'	2°21.75'
28	0°07.00'	0°22.00'	0°37.00'	0°52.00'	1°07.00'	1°22.00'	1°37.00'	1°52.00'	2°07.00'	2°22.00'
29	0°07.25'	0°22.25'	0°37.25'	0°52.25'	1°07.25'	1°22.25'	1°37.25'	1°52.25'	2°07.25'	2°22.25'
30	0°07.50'	0°22.50'	0°37.50'	0°52.50'	1°07.50'	1°22.50'	1°37.50'	1°52.50'	2°07.50'	2°22.50'
31	0°07.75'	0°22.75'	0°37.75'	0°52.75'	1°07.75'	1°22.75'	1°37.75'	1°52.75'	2°07.75'	2°22.75'
32	0°08.00'	0°23.00'	0°38.00'	0°53.00'	1°08.00'	1°23.00'	1°38.00'	1°53.00'	2°08.00'	2°23.00'
33	0°08.25'	0°23.25'	0°38.25'	0°53.25'	1°08.25'	1°23.25'	1°38.25'	1°53.25'	2°08.25'	2°23.25'
34	0°08.50'	0°23.50'	0°38.50'	0°53.50'	1°08.50'	1°23.50'	1°38.50'	1°53.50'	2°08.50'	2°23.50'
35	0°08.75'	0°23.75'	0°38.75'	0°53.75'	1°08.75'	1°23.75'	1°38.75'	1°53.75'	2°08.75'	2°23.75'
36	0°09.00'	0°24.00'	0°39.00'	0°54.00'	1°09.00'	1°24.00'	1°39.00'	1°54.00'	2°09.00'	2°24.00'
37	0°09.25'	0°24.25'	0°39.25'	0°54.25'	1°09.25'	1°24.25'	1°39.25'	1°54.25'	2°09.25'	2°24.25'
38	0°09.50'	0°24.50'	0°39.50'	0°54.50'	1°09.50'	1°24.50'	1°39.50'	1°54.50'	2°09.50'	2°24.50'
39	0°09.75'	0°24.75'	0°39.75'	0°54.75'	1°09.75'	1°24.75'	1°39.75'	1°54.75'	2°09.75'	2°24.75'
40	0°10.00'	0°25.00'	0°40.00'	0°55.00'	1°10.00'	1°25.00'	1°40.00'	1°55.00'	2°10.00'	2°25.00'
41	0°10.25'	0°25.25'	0°40.25'				1°40.25'	1°55.25'	2°10.25'	2°25.25'
42	0°10.50'	0°25.50'	0°40.50'	0°55.50'	1°10.50'	1°25.50'	1°40.50'	1°55.50'	2°10.50'	2°25.50'
43 44	0°10.75' 0°11.00'	0°25.75'	0°40.75'	0°55.75'	1°10.75'	1°25.75'	1°40.75'	1°55.75'	2°10.75'	2°25.75'
44 45	0°11.00	0°26.00' 0°26.25'	0°41.00' 0°41.25'	0°56.00' 0°56.25'	1°11.00' 1°11.25'	1°26.00' 1°26.25'	1°41.00' 1°41.25'	1°56.00' 1°56.25'	2°11.00' 2°11.25'	2°26.00' 2°26.25'
45 46	0°11.50'	0°26.50'	0°41.25	0°56.50'	1°11.50'	1°26.50'	1°41.25	1°56.50'	2°11.50'	2°26.50'
47	0°11.75'	0°26.75'	0°41.75'	0°56.75'	1°11.75'	1°26.75'	1°41.75'	1°56.75'	2°11.75'	2°26.75'
48	0°12.00'	0°27.00'	0°42.00'	0°57.00'	1°12.00'	1°27.00'	1°42.00'	1°57.00'	2°12.00'	2°27.00'
49	0°12.25'	0°27.25'	0°42.25'	0°57.25'	1°12.25'	1°27.25'	1°42.25'	1°57.25'	2°12.25'	2°27.25'
50	0°12.50'	0°27.50'	0°42.50'	0°57.50'	1°12.50'	1°27.50'	1°42.50'	1°57.50'	2°12.50'	2°27.50'
51	0°12.75'	0°27.75'	0°42.75'	0°57.75'	1°12.75'	1°27.75'	1°42.75'	1°57.75'	2°12.75'	2°27.75'
52	0°13.00'	0°28.00'	0°43.00'	0°58.00'	1°13.00'	1°28.00'	1°43.00'	1°58.00'	2°13.00'	2°28.00'
53	0°13.25'	0°28.25'	0°43.25'	0°58.25'	1°13.25'	1°28.25'	1°43.25'	1°58.25'	2°13.25'	2°28.25'
54	0°13.50'	0°28.50'	0°43.50'	0°58.50'	1°13.50'	1°28.50'	1°43.50'	1°58.50'	2°13.50'	2°28.50'
55	0°13.75'	0°28.75'	0°43.75'	0°58.75'	1°13.75'	1°28.75'	1°43.75'	1°58.75'	2°13.75'	2°28.75'
56	0°14.00'	0°29.00'	0°44.00'	0°59.00'	1°14.00'	1°29.00'	1°44.00'	1°59.00'	2°14.00'	2°29.00'
57	0°14.25'	0°29.25'	0°44.25'	0°59.25'	1°14.25'	1°29.25'	1°44.25'	1°59.25'	2°14.25'	2°29.25'
58	0°14.50'	0°29.50'	0°44.50'	0°59.50'	1°14.50'	1°29.50'	1°44.50'	1°59.50'	2°14.50'	2°29.50'
59	0°14.75'	0°29.75'	0°44.75'	0°59.75'	1°14.75'	1°29.75'	1°44.75'	1°59.75'	2°14.75'	2°29.75'

	minutes									
secondes	10	11	12	13	14	15	16	17	18	19
0	2°30.00'	2°45.00'	3°00.00'	3°15.00'	3°30.00'	3°45.00'	4°00.00'	4°15.00'	4°30.00'	4°45.00'
1	2°30.25'	2°45.25'	3°00.25'	3°15.25'	3°30.25'	3°45.25'	4°00.25'	4°15.25'	4°30.25'	4°45.25'
2	2°30.50'	2°45.50'	3°00.50'	3°15.50'	3°30.50'	3°45.50'	4°00.50'	4°15.50'	4°30.50'	4°45.50'
3	2°30.75'	2°45.75'	3°00.75'	3°15.75'	3°30.75'	3°45.75'	4°00.75'	4°15.75'	4°30.75'	4°45.75'
4	2°31.00'	2°46.00'	3°01.00'	3°16.00'	3°31.00'	3°46.00'	4°01.00'	4°16.00'	4°31.00'	4°46.00'
5	2°31.25'	2°46.25'	3°01.25'	3°16.25'	3°31.25'	3°46.25'	4°01.25'	4°16.25'	4°31.25'	4°46.25'
6	2°31.50'	2°46.50'	3°01.50'	3°16.50'	3°31.50'	3°46.50'	4°01.50'	4°16.50'	4°31.50'	4°46.50'
7	2°31.75'	2°46.75'	3°01.75'	3°16.75'	3°31.75'	3°46.75'	4°01.75'	4°16.75'	4°31.75'	4°46.75'
8	2°32.00'	2°47.00'	3°02.00'	3°17.00'	3°32.00'	3°47.00'	4°02.00'	4°17.00'	4°32.00'	4°47.00'
9	2°32.25'	2°47.25'	3°02.25'	3°17.25'	3°32.25'	3°47.25'	4°02.25'	4°17.25'	4°32.25'	4°47.25'
10	2°32.50'	2°47.50'	3°02.50'	3°17.50'	3°32.50'	3°47.50'	4°02.50'	4°17.50'	4°32.50'	4°47.50'
11	2°32.75'	2°47.75'	3°02.75'	3°17.75'	3°32.75'	3°47.75'	4°02.75'	4°17.75'	4°32.75'	4°47.75'
12	2°33.00'	2°48.00'	3°03.00'	3°18.00'	3°33.00'	3°48.00'	4°03.00'	4°18.00'	4°33.00'	4°48.00'
13	2°33.25'	2°48.25'	3°03.25'	3°18.25'	3°33.25'	3°48.25'	4°03.25'	4°18.25'	4°33.25'	4°48.25'
14	2°33.50'	2°48.50'	3°03.50'	3°18.50'	3°33.50'	3°48.50'	4°03.50'	4°18.50'	4°33.50'	4°48.50'
15	2°33.75'	2°48.75'	3°03.75'	3°18.75'	3°33.75'	3°48.75'	4°03.75'	4°18.75'	4°33.75'	4°48.75'
16	2°34.00'	2°49.00'	3°04.00'	3°19.00'	3°34.00'	3°49.00'	4°04.00'	4°19.00'	4°34.00'	4°49.00'
17	2°34.25'	2°49.25'	3°04.25'	3°19.25'	3°34.25'	3°49.25'	4°04.25'	4°19.25'	4°34.25'	4°49.25'
18	2°34.50'	2°49.50'	3°04.50'	3°19.50'	3°34.50'	3°49.50'	4°04.50'	4°19.50'	4°34.50'	4°49.50'
19	2°34.75'	2°49.75'	3°04.75'	3°19.75'	3°34.75'	3°49.75'	4°04.75'	4°19.75'	4°34.75'	4°49.75'
20	2°35.00'	2°50.00'	3°05.00'	3°20.00'	3°35.00'	3°50.00'	4°05.00'	4°20.00'	4°35.00'	4°50.00'
21	2°35.25'	2°50.25'	3°05.25'	3°20.25'	3°35.25'	3°50.25'	4°05.25'	4°20.25'	4°35.25'	4°50.25'
22	2°35.50'	2°50.50'	3°05.50'	3°20.50'	3°35.50'	3°50.50'	4°05.50'	4°20.50'	4°35.50'	4°50.50'
23	2°35.75'	2°50.75'	3°05.75'	3°20.75'	3°35.75'	3°50.75'	4°05.75'	4°20.75'	4°35.75'	4°50.75'
24	2°36.00'	2°51.00'	3°06.00'	3°21.00'	3°36.00'	3°51.00'	4°06.00'	4°21.00'	4°36.00'	4°51.00'
25	2°36.25'	2°51.25'	3°06.25'	3°21.25'	3°36.25'	3°51.25'	4°06.25'	4°21.25'	4°36.25'	4°51.25'
26	2°36.50'	2°51.50'	3°06.50'	3°21.50'	3°36.50'	3°51.50'	4°06.50'	4°21.50'	4°36.50'	4°51.50'
27	2°36.75'	2°51.75'	3°06.75'	3°21.75'	3°36.75'	3°51.75'	4°06.75'	4°21.75'	4°36.75'	4°51.75'
28	2°37.00'	2°52.00'	3°07.00'	3°22.00'	3°37.00'	3°52.00'	4°07.00'	4°22.00'	4°37.00'	4°52.00'
29	2°37.25'	2°52.25'	3°07.25'	3°22.25'	3°37.25'	3°52.25'	4°07.25'	4°22.25'	4°37.25'	4°52.25'
30	2°37.50'	2°52.50'	3°07.50'	3°22.50'	3°37.50'	3°52.50'	4°07.50'	4°22.50'	4°37.50'	4°52.50'
31	2°37.75'	2°52.75'	3°07.75'	3°22.75'	3°37.75'	3°52.75'	4°07.75'	4°22.75'	4°37.75'	4°52.75'
32	2°38.00'	2°53.00'	3°08.00'	3°23.00'	3°38.00'	3°53.00'	4°08.00'	4°23.00'	4°38.00'	4°53.00'
33	2°38.25'	2°53.25'	3°08.25'	3°23.25'	3°38.25'	3°53.25'	4°08.25'	4°23.25'	4°38.25'	4°53.25'
34	2°38.50'	2°53.50'	3°08.50'	3°23.50'	3°38.50'	3°53.50'	4°08.50'	4°23.50'	4°38.50'	4°53.50'
35	2°38.75'	2°53.75'	3°08.75'	3°23.75'	3°38.75'	3°53.75'	4°08.75'	4°23.75'	4°38.75'	4°53.75'
36	2°39.00'	2°54.00'	3°09.00'	3°24.00'	3°39.00'	3°54.00'	4°09.00'	4°24.00'	4°39.00'	4°54.00'
37	2°39.25'	2°54.25'	3°09.25'	3°24.25'	3°39.25'	3°54.25'	4°09.25'	4°24.25'	4°39.25'	4°54.25'
38	2°39.50'	2°54.50'	3°09.50'	3°24.50'	3°39.50'	3°54.50'	4°09.50'	4°24.50'	4°39.50'	4°54.50'
39	2°39.75'	2°54.75'	3°09.75'	3°24.75'	3°39.75'	3°54.75'	4°09.75'	4°24.75'	4°39.75'	4°54.75'
40	2°40.00'	2°55.00'	3°10.00'	3°25.00'	3°40.00'	3°55.00'	4°10.00'	4°25.00'	4°40.00'	4°55.00'
41	2°40.25'	2°55.25'	3°10.25'	3°25.25'	3°40.25'	3°55.25'	4°10.25'		4°40.25'	4°55.25'
42	2°40.50'	2°55.50'	3°10.50'	3°25.50'	3°40.50'		4°10.50'		4°40.50'	4°55.50'
43	2°40.75'	2°55.75'	3°10.75'	3°25.75'	3°40.75'	3°55.75'	4°10.75'	4°25.75'	4°40.75'	4°55.75'
44	2°41.00'	2°56.00'	3°11.00'	3°26.00'	3°41.00'	3°56.00'	4°11.00'	4°26.00'	4°41.00'	4°56.00'
45	2°41.25'	2°56.25'	3°11.25'	3°26.25'	3°41.25'	3°56.25'	4°11.25'	4°26.25'	4°41.25'	4°56.25'
46	2°41.50'	2°56.50'	3°11.50'	3°26.50'	3°41.50'	3°56.50'	4°11.50'	4°26.50'	4°41.50'	4°56.50'
47	2°41.75'	2°56.75'	3°11.75'	3°26.75'	3°41.75'	3°56.75'	4°11.75'	4°26.75'	4°41.75'	4°56.75'
48	2°42.00'	2°57.00'	3°12.00'	3°27.00'	3°42.00'	3°57.00'	4°12.00'	4°27.00'	4°42.00'	4°57.00'
49	2°42.25'	2°57.25'	3°12.25'	3°27.25'	3°42.25'	3°57.25'	4°12.25'	4°27.25'	4°42.25'	4°57.25'
50	2°42.50'	2°57.50'	3°12.50'	3°27.50'	3°42.50'	3°57.50'	4°12.50'	4°27.50'	4°42.50'	4°57.50'
51	2°42.75'	2°57.75'	3°12.75'	3°27.75'	3°42.75'	3°57.75'	4°12.75'	4°27.75'	4°42.75'	4°57.75'
52	2°43.00'	2°58.00'	3°13.00'	3°28.00'	3°43.00'	3°58.00'	4°13.00'	4°28.00'	4°43.00'	4°58.00'
53	2°43.25'	2°58.25'	3°13.25'	3°28.25'	3°43.25'	3°58.25'	4°13.25'	4°28.25'	4°43.25'	4°58.25'
54	2°43.50'	2°58.50'	3°13.50'	3°28.50'	3°43.50'	3°58.50'	4°13.50'	4°28.50'	4°43.50'	4°58.50'
55	2°43.75'	2°58.75'	3°13.75'	3°28.75'	3°43.75'	3°58.75'	4°13.75'	4°28.75'	4°43.75'	4°58.75'
56	2°44.00'	2°59.00'	3°14.00'	3°29.00'	3°44.00'	3°59.00'	4°14.00'	4°29.00'	4°44.00'	4°59.00'
57	2°44.25'	2°59.25'	3°14.25'	3°29.25'	3°44.25'	3°59.25'	4°14.25'	4°29.25'	4°44.25'	4°59.25'
58	2°44.50'	2°59.50'	3°14.50'	3°29.50'	3°44.50'	3°59.50'	4°14.50'	4°29.50'	4°44.50'	4°59.50'
59	2°44.75'	2°59.75'	3°14.75'	3°29.75'	3°44.75'	3°59.75'	4°14.75'	4°29.75'	4°44.75'	4°59.75'
	5						3		3	

	minutes									
secondes	20	21	22	23	24	25	26	27	28	29
0	5°00.00'	5°15.00'	5°30.00'	5°45.00'	6°00.00'	6°15.00'	6°30.00'	6°45.00'	7°00.00'	7°15.00'
1	5°00.25'	5°15.25'	5°30.25'	5°45.25'	6°00.25'	6°15.25'	6°30.25'	6°45.25'	7°00.25'	7°15.25'
2	5°00.50'	5°15.50'	5°30.50'	5°45.50'	6°00.50'	6°15.50'	6°30.50'	6°45.50'	7°00.50'	7°15.50'
3	5°00.75'	5°15.75'	5°30.75'	5°45.75'	6°00.75'	6°15.75'	6°30.75'	6°45.75'	7°00.75'	7°15.75'
4	5°01.00'	5°16.00'	5°31.00'	5°46.00'	6°01.00'	6°16.00'	6°31.00'	6°46.00'	7°01.00'	7°16.00'
5	5°01.25'	5°16.25'	5°31.25'	5°46.25'	6°01.25'	6°16.25'	6°31.25'	6°46.25'	7°01.25'	7°16.25'
6 7	5°01.50'	5°16.50' 5°16.75'	5°31.50' 5°31.75'	5°46.50' 5°46.75'	6°01.50' 6°01.75'	6°16.50' 6°16.75'	6°31.50' 6°31.75'	6°46.50' 6°46.75'	7°01.50' 7°01.75'	7°16.50' 7°16.75'
8	5°01.75' 5°02.00'	5°17.00'	5°32.00'	5°47.00'	6°02.00'	6°17.00'	6°32.00'	6°47.00'	7°02.00'	7°17.00'
9	5°02.25'	5°17.25'	5°32.25'	5°47.25'	6°02.25'	6°17.25'	6°32.25'	6°47.25'	7°02.25'	7°17.25'
10	5°02.50'	5°17.50'	5°32.50'	5°47.50'	6°02.50'	6°17.50'	6°32.50'	6°47.50'	7°02.50'	7°17.50'
11	5°02.75'	5°17.75'	5°32.75'	5°47.75'	6°02.75'	6°17.75'	6°32.75'	6°47.75'	7°02.75'	7°17.75'
12	5°03.00'	5°18.00'	5°33.00'	5°48.00'	6°03.00'	6°18.00'	6°33.00'	6°48.00'	7°03.00'	7°18.00'
13	5°03.25'	5°18.25'	5°33.25'	5°48.25'	6°03.25'	6°18.25'	6°33.25'	6°48.25'	7°03.25'	7°18.25'
14	5°03.50'	5°18.50'	5°33.50'	5°48.50'	6°03.50'	6°18.50'	6°33.50'	6°48.50'	7°03.50'	7°18.50'
15	5°03.75'	5°18.75'	5°33.75'	5°48.75'	6°03.75'	6°18.75'	6°33.75'	6°48.75'	7°03.75'	7°18.75'
16	5°04.00'	5°19.00'	5°34.00'	5°49.00'	6°04.00'	6°19.00'	6°34.00'	6°49.00'	7°04.00'	7°19.00'
17	5°04.25'	5°19.25'	5°34.25'	5°49.25'	6°04.25'	6°19.25'	6°34.25'	6°49.25'	7°04.25'	7°19.25'
18	5°04.50'	5°19.50'	5°34.50'	5°49.50'	6°04.50'	6°19.50'	6°34.50'	6°49.50'	7°04.50'	7°19.50'
19	5°04.75'	5°19.75'	5°34.75'	5°49.75'	6°04.75'	6°19.75'	6°34.75'	6°49.75'	7°04.75'	7°19.75'
20	5°05.00'	5°20.00'	5°35.00'	5°50.00'	6°05.00'	6°20.00'	6°35.00'	6°50.00'	7°05.00'	7°20.00'
21	5°05.25'	5°20.25'	5°35.25'	5°50.25'	6°05.25'	6°20.25'	6°35.25'	6°50.25'	7°05.25'	7°20.25'
22	5°05.50'	5°20.50' 5°20.75'	5°35.50' 5°35.75'	5°50.50' 5°50.75'	6°05.50'	6°20.50' 6°20.75'	6°35.50'	6°50.50' 6°50.75'	7°05.50'	7°20.50' 7°20.75'
23 24	5°05.75' 5°06.00'	5 20.75 5°21.00'	5°36.00'	5°51.00'	6°05.75' 6°06.00'	6°21.00'	6°35.75' 6°36.00'	6°51.00'	7°05.75' 7°06.00'	7°21.00'
25	5°06.25'	5°21.25'	5°36.25'	5°51.25'	6°06.25'	6°21.25'	6°36.25'	6°51.25'	7°06.25'	7°21.25'
26	5°06.50'	5°21.50'	5°36.50'	5°51.50'	6°06.50'	6°21.50'	6°36.50'	6°51.50'	7°06.50'	7°21.50'
27	5°06.75'	5°21.75'	5°36.75'	5°51.75'	6°06.75'	6°21.75'	6°36.75'	6°51.75'	7°06.75'	7°21.75'
28	5°07.00'	5°22.00'	5°37.00'	5°52.00'	6°07.00'	6°22.00'	6°37.00'	6°52.00'	7°07.00'	7°22.00'
29	5°07.25'	5°22.25'	5°37.25'	5°52.25'	6°07.25'	6°22.25'	6°37.25'	6°52.25'	7°07.25'	7°22.25'
30	5°07.50'	5°22.50'	5°37.50'	5°52.50'	6°07.50'	6°22.50'	6°37.50'	6°52.50'	7°07.50'	7°22.50'
31	5°07.75'	5°22.75'	5°37.75'	5°52.75'	6°07.75'	6°22.75'	6°37.75'	6°52.75'	7°07.75'	7°22.75'
32	5°08.00'	5°23.00'	5°38.00'	5°53.00'	6°08.00'	6°23.00'	6°38.00'	6°53.00'	7°08.00'	7°23.00'
33	5°08.25'	5°23.25'	5°38.25'	5°53.25'	6°08.25'	6°23.25'	6°38.25'	6°53.25'	7°08.25'	7°23.25'
34	5°08.50'	5°23.50'	5°38.50'	5°53.50'	6°08.50'	6°23.50'	6°38.50'	6°53.50'	7°08.50'	7°23.50'
35	5°08.75'	5°23.75'	5°38.75'	5°53.75'	6°08.75'	6°23.75'	6°38.75'	6°53.75'	7°08.75'	7°23.75'
36	5°09.00'	5°24.00'	5°39.00'	5°54.00'	6°09.00'	6°24.00'	6°39.00'	6°54.00'	7°09.00'	7°24.00'
37 38	5°09.25'	5°24.25' 5°24.50'	5°39.25' 5°39.50'	5°54.25' 5°54.50'	6°09.25' 6°09.50'	6°24.25'	6°39.25' 6°39.50'	6°54.25' 6°54.50'	7°09.25' 7°09.50'	7°24.25' 7°24.50'
39	5°09.50' 5°09.75'	5°24.75'	5°39.75'	5°54.75'	6°09.75'	6°24.50' 6°24.75'	6°39.75'	6°54.75'	7°09.75'	7°24.75'
40	5°10.00'	5°25.00'	5°40.00'	5°55.00'	6°10.00'	6°25.00'	6°40.00'	6°55.00'	7°10.00'	7°25.00'
41	5°10.25'	5°25.25'	5°40.25'	5°55.25'	6°10.25'		6°40.25'	6°55.25'		
42	5°10.50'	5°25.50'	5°40.50'	5°55.50'	6°10.50'	6°25.50'	6°40.50'	6°55.50'	7°10.50'	7°25.50'
43	5°10.75'	5°25.75'	5°40.75'	5°55.75'	6°10.75'	6°25.75'	6°40.75'	6°55.75'	7°10.75'	7°25.75'
44	5°11.00'	5°26.00'	5°41.00'	5°56.00'	6°11.00'	6°26.00'	6°41.00'	6°56.00'	7°11.00'	7°26.00'
45	5°11.25'	5°26.25'	5°41.25'	5°56.25'	6°11.25'	6°26.25'	6°41.25'	6°56.25'	7°11.25'	7°26.25'
46	5°11.50'	5°26.50'	5°41.50'	5°56.50'	6°11.50'	6°26.50'	6°41.50'	6°56.50'	7°11.50'	7°26.50'
47	5°11.75'	5°26.75'	5°41.75'	5°56.75'	6°11.75'	6°26.75'	6°41.75'	6°56.75'	7°11.75'	7°26.75'
48	5°12.00'	5°27.00'	5°42.00'	5°57.00'	6°12.00'	6°27.00'	6°42.00'	6°57.00'	7°12.00'	7°27.00'
49	5°12.25'	5°27.25'	5°42.25'	5°57.25'	6°12.25'	6°27.25'	6°42.25'	6°57.25'	7°12.25'	7°27.25'
50	5°12.50'	5°27.50'	5°42.50'	5°57.50'	6°12.50'	6°27.50'	6°42.50'	6°57.50'	7°12.50'	7°27.50'
51 52	5°12.75'	5°27.75'	5°42.75'	5°57.75'	6°12.75'	6°27.75'	6°42.75'	6°57.75'	7°12.75'	7°27.75'
52 53	5°13.00' 5°13.25'	5°28.00' 5°28.25'	5°43.00' 5°43.25'	5°58.00' 5°58.25'	6°13.00' 6°13.25'	6°28.00' 6°28.25'	6°43.00' 6°43.25'	6°58.00' 6°58.25'	7°13.00' 7°13.25'	7°28.00' 7°28.25'
53 54	5°13.50'	5°28.50'	5°43.50'	5°58.50'	6°13.50'	6°28.50'	6°43.50'	6°58.50'	7°13.50'	7°28.50'
5 <del>4</del> 55	5°13.75'	5°28.75'	5°43.75'	5°58.75'	6°13.75'	6°28.75'	6°43.75'	6°58.75'	7°13.75'	7°28.75'
56	5°14.00'	5°29.00'	5°44.00'	5°59.00'	6°14.00'	6°29.00'	6°44.00'	6°59.00'	7°14.00'	7°29.00'
57	5°14.25'	5°29.25'	5°44.25'	5°59.25'	6°14.25'	6°29.25'	6°44.25'	6°59.25'	7°14.25'	7°29.25'
58	5°14.50'	5°29.50'	5°44.50'	5°59.50'	6°14.50'	6°29.50'	6°44.50'	6°59.50'	7°14.50'	7°29.50'
59	5°14.75'	5°29.75'	5°44.75'	5°59.75'	6°14.75'	6°29.75'	6°44.75'	6°59.75'	7°14.75'	7°29.75'
					•				0	

	minutes									
secondes	30	31	32	33	34	35	36	37	38	39
0	7°30.00'	7°45.00'	8°00.00'	8°15.00'	8°30.00'	8°45.00'	9°00.00'	9°15.00'	9°30.00'	9°45.00'
1	7°30.25'	7°45.25'	8°00.25'	8°15.25'	8°30.25'	8°45.25'	9°00.25'	9°15.25'	9°30.25'	9°45.25'
2	7°30.50'	7°45.50'	8°00.50'	8°15.50'	8°30.50'	8°45.50'	9°00.50'	9°15.50'	9°30.50'	9°45.50'
3	7°30.75'	7°45.75'	8°00.75'	8°15.75'	8°30.75'	8°45.75'	9°00.75'	9°15.75'	9°30.75'	9°45.75'
4	7°31.00'	7°46.00'	8°01.00'	8°16.00'	8°31.00'	8°46.00'	9°01.00'	9°16.00'	9°31.00'	9°46.00'
5	7°31.25'	7°46.25'	8°01.25'	8°16.25'	8°31.25'	8°46.25'	9°01.25'	9°16.25'	9°31.25'	9°46.25'
6	7°31.50'	7°46.50'	8°01.50'	8°16.50'	8°31.50'	8°46.50'	9°01.50'	9°16.50'	9°31.50'	9°46.50'
7	7°31.75'	7°46.75'	8°01.75'	8°16.75'	8°31.75'	8°46.75'	9°01.75'	9°16.75'	9°31.75'	9°46.75'
8	7°32.00'	7°47.00'	8°02.00'	8°17.00'	8°32.00'	8°47.00'	9°02.00'	9°17.00'	9°32.00'	9°47.00'
9	7°32.25'	7°47.25'	8°02.25'	8°17.25'	8°32.25'	8°47.25'	9°02.25'	9°17.25'	9°32.25'	9°47.25'
10	7°32.50'	7°47.50'	8°02.50'	8°17.50'	8°32.50'	8°47.50'	9°02.50'	9°17.50'	9°32.50'	9°47.50'
11	7°32.75'	7°47.75'	8°02.75'	8°17.75'	8°32.75'	8°47.75'	9°02.75'	9°17.75'	9°32.75'	9°47.75'
12	7°33.00'	7°48.00'	8°03.00'	8°18.00'	8°33.00'	8°48.00'	9°03.00'	9°18.00'	9°33.00'	9°48.00'
13	7°33.25'	7°48.25'	8°03.25'	8°18.25'	8°33.25'	8°48.25'	9°03.25'	9°18.25'	9°33.25'	9°48.25'
14	7°33.50'	7°48.50'	8°03.50'	8°18.50'	8°33.50'	8°48.50'	9°03.50'	9°18.50'	9°33.50'	9°48.50'
15	7°33.75'	7°48.75'	8°03.75'	8°18.75'	8°33.75'	8°48.75'	9°03.75'	9°18.75'	9°33.75'	9°48.75'
16	7°34.00'	7°49.00'	8°04.00'	8°19.00'	8°34.00'	8°49.00'	9°04.00'	9°19.00'	9°34.00'	9°49.00'
17	7°34.25'	7°49.25'	8°04.25'	8°19.25'	8°34.25'	8°49.25'	9°04.25'	9°19.25'	9°34.25'	9°49.25'
18	7°34.50'	7°49.50'	8°04.50'	8°19.50'	8°34.50'	8°49.50'	9°04.50'	9°19.50'	9°34.50'	9°49.50'
19	7°34.75'	7°49.75'	8°04.75'	8°19.75'	8°34.75'	8°49.75'	9°04.75'	9°19.75'	9°34.75'	9°49.75'
20	7°35.00'	7°50.00'	8°05.00'	8°20.00'	8°35.00'	8°50.00'	9°05.00'	9°20.00'	9°35.00'	9°50.00'
21	7°35.25'	7°50.25'	8°05.25'	8°20.25'	8°35.25'	8°50.25'	9°05.25'	9°20.25'	9°35.25'	9°50.25'
22	7°35.50' 7°35.75'	7°50.50' 7°50.75'	8°05.50' 8°05.75'	8°20.50' 8°20.75'	8°35.50'	8°50.50' 8°50.75'	9°05.50' 9°05.75'	9°20.50' 9°20.75'	9°35.50' 9°35.75'	9°50.50' 9°50.75'
23 24		7°51.00'			8°35.75'				9°36.00'	
25	7°36.00' 7°36.25'	7°51.00	8°06.00' 8°06.25'	8°21.00' 8°21.25'	8°36.00' 8°36.25'	8°51.00' 8°51.25'	9°06.00' 9°06.25'	9°21.00' 9°21.25'	9°36.25'	9°51.00' 9°51.25'
26	7°36.50'	7°51.50'	8°06.50'	8°21.50'	8°36.50'	8°51.50'	9°06.50'	9°21.50'	9°36.50'	9°51.50'
27	7°36.75'	7°51.75'	8°06.75'	8°21.75'	8°36.75'	8°51.75'	9°06.75'	9°21.75'	9°36.75'	9°51.75'
28	7°37.00'	7°52.00'	8°07.00'	8°22.00'	8°37.00'	8°52.00'	9°07.00'	9°22.00'	9°37.00'	9°52.00'
29	7°37.25'	7°52.25'	8°07.25'	8°22.25'	8°37.25'	8°52.25'	9°07.25'	9°22.25'	9°37.25'	9°52.25'
30	7°37.50'	7°52.50'	8°07.50'	8°22.50'	8°37.50'	8°52.50'	9°07.50'	9°22.50'	9°37.50'	9°52.50'
31	7°37.75'	7°52.75'	8°07.75'	8°22.75'	8°37.75'	8°52.75'	9°07.75'	9°22.75'	9°37.75'	9°52.75'
32	7°38.00'	7°53.00'	8°08.00'	8°23.00'	8°38.00'	8°53.00'	9°08.00'	9°23.00'	9°38.00'	9°53.00'
33	7°38.25'	7°53.25'	8°08.25'	8°23.25'	8°38.25'	8°53.25'	9°08.25'	9°23.25'	9°38.25'	9°53.25'
34	7°38.50'	7°53.50'	8°08.50'	8°23.50'	8°38.50'	8°53.50'	9°08.50'	9°23.50'	9°38.50'	9°53.50'
35	7°38.75'	7°53.75'	8°08.75'	8°23.75'	8°38.75'	8°53.75'	9°08.75'	9°23.75'	9°38.75'	9°53.75'
36	7°39.00'	7°54.00'	8°09.00'	8°24.00'	8°39.00'	8°54.00'	9°09.00'	9°24.00'	9°39.00'	9°54.00'
37	7°39.25'	7°54.25'	8°09.25'	8°24.25'	8°39.25'	8°54.25'	9°09.25'	9°24.25'	9°39.25'	9°54.25'
38	7°39.50'	7°54.50'	8°09.50'	8°24.50'	8°39.50'	8°54.50'	9°09.50'	9°24.50'	9°39.50'	9°54.50'
39	7°39.75'	7°54.75'	8°09.75'	8°24.75'	8°39.75'	8°54.75'	9°09.75'	9°24.75'	9°39.75'	9°54.75'
40	7°40.00'	7°55.00'	8°10.00'	8°25.00'	8°40.00'	8°55.00'	9°10.00'	9°25.00'	9°40.00'	9°55.00'
41	7°40.25'	7°55.25'	8°10.25'	8°25.25'	8°40.25'	8°55.25'	9°10.25'	9°25.25'	9°40.25'	9°55.25'
42	7°40.50'	7°55.50'	8°10.50'	8°25.50'	8°40.50'	8°55.50'	9°10.50'	9°25.50'	9°40.50'	9°55.50'
43	7°40.75'	7°55.75'	8°10.75'	8°25.75'	8°40.75'	8°55.75'	9°10.75'	9°25.75'	9°40.75'	9°55.75'
44	7°41.00'	7°56.00'	8°11.00'	8°26.00'	8°41.00'	8°56.00'	9°11.00'	9°26.00'	9°41.00'	9°56.00'
45	7°41.25'	7°56.25'	8°11.25'	8°26.25'	8°41.25'	8°56.25'	9°11.25'	9°26.25'	9°41.25'	9°56.25'
46	7°41.50'	7°56.50'	8°11.50'	8°26.50'	8°41.50'	8°56.50'	9°11.50'	9°26.50'	9°41.50'	9°56.50'
47	7°41.75'	7°56.75' 7°57.00'	8°11.75'	8°26.75'	8°41.75'	8°56.75' 8°57.00'	9°11.75'	9°26.75'	9°41.75'	9°56.75'
48 49	7°42.00' 7°42.25'	7°57.00'	8°12.00' 8°12.25'	8°27.00' 8°27.25'	8°42.00' 8°42.25'	8°57.25'	9°12.00' 9°12.25'	9°27.00' 9°27.25'	9°42.00' 9°42.25'	9°57.00' 9°57.25'
50	7°42.25'	7°57.50'	8°12.50'	8°27.50'	8°42.50'	8°57.50'	9°12.20'	9°27.50'	9°42.20'	9°57.50'
50 51	7°42.75'	7°57.75'	8°12.75'	8°27.75'	8°42.75'	8°57.75'	9°12.75'	9°27.75'	9°42.75'	9°57.75'
52	7°43.00'	7°58.00'	8°13.00'	8°28.00'	8°43.00'	8°58.00'	9°13.00'	9°28.00'	9°43.00'	9°58.00'
53	7°43.25'	7°58.25'	8°13.25'	8°28.25'	8°43.25'	8°58.25'	9°13.25'	9°28.25'	9°43.25'	9°58.25'
54	7°43.50'	7°58.50'	8°13.50'	8°28.50'	8°43.50'	8°58.50'	9°13.50'	9°28.50'	9°43.50'	9°58.50'
55	7°43.75'	7°58.75'	8°13.75'	8°28.75'	8°43.75'	8°58.75'	9°13.75'	9°28.75'	9°43.75'	9°58.75'
56	7°44.00'	7°59.00'	8°14.00'	8°29.00'	8°44.00'	8°59.00'	9°14.00'	9°29.00'	9°44.00'	9°59.00'
57	7°44.25'	7°59.25'	8°14.25'	8°29.25'	8°44.25'	8°59.25'	9°14.25'	9°29.25'	9°44.25'	9°59.25'
58	7°44.50'	7°59.50'	8°14.50'	8°29.50'	8°44.50'	8°59.50'	9°14.50'	9°29.50'	9°44.50'	9°59.50'
59	7°44.75'	7°59.75'	8°14.75'	8°29.75'	8°44.75'	8°59.75'	9°14.75'	9°29.75'	9°44.75'	9°59.75'
30		. 30 0	5	2 20 0		2 30 0				2 20 0

	minutes									
secondes	40	41	42	43	44	45	46	47	48	49
0	10°00.00'	10°15.00'	10°30.00'	10°45.00'	11°00.00'	11°15.00'	11°30.00'	11°45.00'	12°00.00'	12°15.00'
1	10°00.25'	10°15.25'	10°30.25'	10°45.25'	11°00.25'	11°15.25'	11°30.25'	11°45.25'	12°00.25'	12°15.25'
2	10°00.50'	10°15.50'	10°30.50'	10°45.50'	11°00.50'	11°15.50'	11°30.50'	11°45.50'	12°00.50'	12°15.50'
3	10°00.75'	10°15.75'	10°30.75'	10°45.75'	11°00.75'	11°15.75'	11°30.75'	11°45.75'	12°00.75'	12°15.75'
4	10°01.00'	10°16.00'	10°31.00'	10°46.00'	11°01.00'	11°16.00'	11°31.00'	11°46.00'	12°01.00'	12°16.00'
5	10°01.25'	10°16.25'	10°31.25'	10°46.25'	11°01.25'	11°16.25'	11°31.25'	11°46.25'	12°01.25'	12°16.25'
6	10°01.50'	10°16.50'	10°31.50'	10°46.50'	11°01.50'	11°16.50'	11°31.50'	11°46.50'	12°01.50'	12°16.50'
7	10°01.75'	10°16.75'	10°31.75'	10°46.75'	11°01.75'	11°16.75'	11°31.75'	11°46.75'	12°01.75'	12°16.75'
8	10°02.00'	10°17.00'	10°32.00'	10°47.00'	11°02.00'	11°17.00'	11°32.00'	11°47.00'	12°02.00'	12°17.00'
9	10°02.25'	10°17.25'	10°32.25'	10°47.25'	11°02.25'	11°17.25'	11°32.25'	11°47.25'	12°02.25'	12°17.25'
10	10°02.50'	10°17.50'	10°32.50'	10°47.50'	11°02.50'	11°17.50'	11°32.50'	11°47.50'	12°02.50'	12°17.50'
11	10°02.75'	10°17.75'	10°32.75'	10°47.75'	11°02.75'	11°17.75'	11°32.75'	11°47.75'	12°02.75'	12°17.75'
12	10°03.00'	10°18.00'	10°33.00'	10°48.00'	11°03.00'	11°18.00'	11°33.00'	11°48.00'	12°03.00'	12°18.00'
13	10°03.25'	10°18.25'	10°33.25'	10°48.25'	11°03.25'	11°18.25'	11°33.25'	11°48.25'	12°03.25'	12°18.25'
14	10°03.50'	10°18.50'	10°33.50'	10°48.50'	11°03.50'	11°18.50'	11°33.50'	11°48.50'	12°03.50'	12°18.50'
15 16	10°03.75' 10°04.00'	10°18.75' 10°19.00'	10°33.75' 10°34.00'	10°48.75' 10°49.00'	11°03.75' 11°04.00'	11°18.75' 11°19.00'	11°33.75' 11°34.00'	11°48.75' 11°49.00'	12°03.75' 12°04.00'	12°18.75' 12°19.00'
17	10°04.00	10 19.00 10°19.25'	10°34.00	10°49.00	11°04.00	11°19.00	11°34.00	11°49.00	12 04.00 12°04.25'	12 19.00 12°19.25'
18	10°04.23	10 19.25 10°19.50'	10°34.25'	10°49.25'	11°04.25	11°19.25	11°34.25	11°49.25	12 04.25 12°04.50'	12 19.25 12°19.50'
19	10°04.75'	10°19.30	10°34.75'	10°49.30	11°04.75'	11°19.30	11°34.75'	11°49.75'	12°04.75'	12°19.75'
20	10°05.00'	10°19.73	10°35.00'	10°50.00'	11°05.00'	11°20.00'	11°35.00'	11°50.00'	12°05.00'	12°20.00'
21	10°05.25'	10°20.25'	10°35.25'	10°50.25'	11°05.25'	11°20.25'	11°35.25'	11°50.25'	12°05.25'	12°20.25'
22	10°05.50'	10°20.50'	10°35.50'	10°50.50'	11°05.50'	11°20.50'	11°35.50'	11°50.50'	12°05.50'	12°20.50'
23	10°05.75'	10°20.75'	10°35.75'	10°50.75'	11°05.75'	11°20.75'	11°35.75'	11°50.75'	12°05.75'	12°20.75'
24	10°06.00'	10°21.00'	10°36.00'	10°51.00'	11°06.00'	11°21.00'	11°36.00'	11°51.00'	12°06.00'	12°21.00'
25	10°06.25'	10°21.25'	10°36.25'	10°51.25'	11°06.25'	11°21.25'	11°36.25'	11°51.25'	12°06.25'	12°21.25'
26	10°06.50'	10°21.50'	10°36.50'	10°51.50'	11°06.50'	11°21.50'	11°36.50'	11°51.50'	12°06.50'	12°21.50'
27	10°06.75'	10°21.75'	10°36.75'	10°51.75'	11°06.75'	11°21.75'	11°36.75'	11°51.75'	12°06.75'	12°21.75'
28	10°07.00'	10°22.00'	10°37.00'	10°52.00'	11°07.00'	11°22.00'	11°37.00'	11°52.00'	12°07.00'	12°22.00'
29	10°07.25'	10°22.25'	10°37.25'	10°52.25'	11°07.25'	11°22.25'	11°37.25'	11°52.25'	12°07.25'	12°22.25'
30	10°07.50'	10°22.50'	10°37.50'	10°52.50'	11°07.50'	11°22.50'	11°37.50'	11°52.50'	12°07.50'	12°22.50'
31	10°07.75'	10°22.75'	10°37.75'	10°52.75'	11°07.75'	11°22.75'	11°37.75'	11°52.75'	12°07.75'	12°22.75'
32	10°08.00'	10°23.00'	10°38.00'	10°53.00'	11°08.00'	11°23.00'	11°38.00'	11°53.00'	12°08.00'	12°23.00'
33	10°08.25'	10°23.25'	10°38.25'	10°53.25'	11°08.25'	11°23.25'	11°38.25'	11°53.25'	12°08.25'	12°23.25'
34	10°08.50'	10°23.50'	10°38.50'	10°53.50'	11°08.50'	11°23.50'	11°38.50'	11°53.50'	12°08.50'	12°23.50'
35	10°08.75'	10°23.75'	10°38.75'	10°53.75'	11°08.75'	11°23.75'	11°38.75'	11°53.75'	12°08.75'	12°23.75'
36 37	10°09.00' 10°09.25'	10°24.00'	10°39.00'	10°54.00'	11°09.00'	11°24.00'	11°39.00'	11°54.00'	12°09.00'	12°24.00'
37 38	10 09.25 10°09.50'	10°24.25' 10°24.50'	10°39.25' 10°39.50'	10°54.25' 10°54.50'	11°09.25' 11°09.50'	11°24.25' 11°24.50'	11°39.25' 11°39.50'	11°54.25' 11°54.50'	12°09.25' 12°09.50'	12°24.25' 12°24.50'
39	10°09.75'	10°24.75'	10°39.75'	10°54.75'	11°09.75'	11°24.75'	11°39.75'	11°54.75'	12 09.30 12°09.75'	12°24.75'
40	10°10.00'	10°25.00'	10°40.00'	10°55.00'	11°10.00'	11°25.00'	11°40.00'	11°55.00'	12°10.00'	12°25.00'
41	10°10.25'									12°25.25'
42	10°10.50'	10°25.50'	10°40.50'		11°10.50'			11°55.50'		
43	10°10.75'	10°25.75'	10°40.75'		11°10.75'	11°25.75'	11°40.75'	11°55.75'	12°10.75'	12°25.75'
44	10°11.00'	10°26.00'	10°41.00'		11°11.00'			11°56.00'	12°11.00'	12°26.00'
45	10°11.25'	10°26.25'	10°41.25'	10°56.25'	11°11.25'	11°26.25'	11°41.25'	11°56.25'	12°11.25'	12°26.25'
46	10°11.50'	10°26.50'	10°41.50'	10°56.50'	11°11.50'	11°26.50'	11°41.50'	11°56.50'	12°11.50'	12°26.50'
47	10°11.75'	10°26.75'	10°41.75'	10°56.75'	11°11.75'	11°26.75'	11°41.75'	11°56.75'	12°11.75'	12°26.75'
48	10°12.00'	10°27.00'	10°42.00'		11°12.00'			11°57.00'	12°12.00'	
49	10°12.25'	10°27.25'	10°42.25'		11°12.25'		11°42.25'	11°57.25'	12°12.25'	
50	10°12.50'		10°42.50'		11°12.50'			11°57.50'	12°12.50'	
51	10°12.75'	10°27.75'	10°42.75'	10°57.75'	11°12.75'		11°42.75'	11°57.75'	12°12.75'	12°27.75'
52	10°13.00'		10°43.00'		11°13.00'			11°58.00'		
53	10°13.25'	10°28.25'	10°43.25'	10°58.25'	11°13.25'	11°28.25'	11°43.25'	11°58.25'	12°13.25'	12°28.25'
54 55	10°13.50'	10°28.50'	10°43.50'		11°13.50'				12°13.50'	
55 56	10°13.75'	10°28.75'	10°43.75'	10°58.75'	11°13.75'		11°43.75'	11°58.75'	12°13.75'	12°28.75'
56 57	10°14.00' 10°14.25'	10°29.00' 10°29.25'	10°44.00' 10°44.25'	10°59.00' 10°59.25'	11°14.00' 11°14.25'		11°44.00' 11°44.25'	11°59.00' 11°59.25'	12°14.00' 12°14.25'	12°29.00' 12°29.25'
57 58	10 14.25 10°14.50'		10 44.25 10°44.50'		11 14.25 11°14.50'				12 14.25 12°14.50'	
56 59	10 14.50 10°14.75'	10 29.50 10°29.75'	10°44.75'	10 59.50 10°59.75'	11 14.50 11°14.75'		11°44.75'	11°59.50	12 14.50 12°14.75'	12 29.50 12°29.75'
39	10 14.73	10 28.13	10 44.73	10 08.10	11 14.73	11 23.13	11 44.73	11 08.70	12 14.73	12 23.13

	minutes									
secondes	50	51	52	53	54	55	56	57	58	59
0	12°30.00'	12°45.00'	13°00.00'	13°15.00'	13°30.00'	13°45.00'	14°00.00'	14°15.00'	14°30.00'	14°45.00'
1	12°30.25'	12°45.25'	13°00.25'	13°15.25'	13°30.25'	13°45.25'	14°00.25'	14°15.25'	14°30.25'	14°45.25'
2	12°30.50'	12°45.50'	13°00.50'	13°15.50'	13°30.50'	13°45.50'	14°00.50'	14°15.50'	14°30.50'	14°45.50'
3	12°30.75'	12°45.75'	13°00.75'	13°15.75'	13°30.75'	13°45.75'	14°00.75'	14°15.75'	14°30.75'	14°45.75'
4	12°31.00'	12°46.00'	13°01.00'	13°16.00'	13°31.00'	13°46.00'	14°01.00'	14°16.00'	14°31.00'	14°46.00'
5	12°31.25'	12°46.25'	13°01.25'	13°16.25'	13°31.25'	13°46.25'	14°01.25'	14°16.25'	14°31.25'	14°46.25'
6	12°31.50'	12°46.50'	13°01.50'	13°16.50'	13°31.50'	13°46.50'	14°01.50'	14°16.50'	14°31.50'	14°46.50'
7	12°31.75'	12°46.75'	13°01.75'	13°16.75'	13°31.75'	13°46.75'	14°01.75'	14°16.75'	14°31.75'	14°46.75'
8	12°32.00'	12°47.00'	13°02.00'	13°17.00'	13°32.00'	13°47.00'	14°02.00'	14°17.00'	14°32.00'	14°47.00'
9	12°32.25'	12°47.25'	13°02.25'	13°17.25'	13°32.25'	13°47.25'	14°02.25'	14°17.25'	14°32.25'	14°47.25'
10	12°32.50'	12°47.50'	13°02.50'	13°17.50'	13°32.50'	13°47.50'	14°02.50'	14°17.50'	14°32.50'	14°47.50'
11	12°32.75'	12°47.75'	13°02.75'	13°17.75'	13°32.75'	13°47.75'	14°02.75'	14°17.75'	14°32.75'	14°47.75'
12	12°33.00'	12°48.00'	13°03.00'	13°18.00'	13°33.00'	13°48.00'	14°03.00'	14°18.00'	14°33.00'	14°48.00'
13	12°33.25'	12°48.25'	13°03.25'	13°18.25'	13°33.25'	13°48.25'	14°03.25'	14°18.25'	14°33.25'	14°48.25'
14	12°33.50'	12°48.50'	13°03.50'	13°18.50'	13°33.50'	13°48.50'	14°03.50'	14°18.50'	14°33.50'	14°48.50'
15	12°33.75'	12°48.75'	13°03.75'	13°18.75'	13°33.75'	13°48.75'	14°03.75'	14°18.75'	14°33.75'	14°48.75'
16	12°34.00'	12°49.00'	13°04.00'	13°19.00'	13°34.00'	13°49.00'	14°04.00'	14°19.00'	14°34.00'	14°49.00'
17	12°34.25'	12°49.25'	13°04.25'	13°19.25'	13°34.25'	13°49.25'	14°04.25'	14°19.25'	14°34.25'	14°49.25'
18	12°34.50'	12°49.50'	13°04.50'	13°19.50'	13°34.50'	13°49.50'	14°04.50'	14°19.50'	14°34.50'	14°49.50'
19	12°34.75'	12°49.75'	13°04.75'	13°19.75'	13°34.75'	13°49.75'	14°04.75'	14°19.75'	14°34.75'	14°49.75'
20	12°35.00'	12°50.00'	13°05.00'	13°20.00'	13°35.00'	13°50.00'	14°05.00'	14°20.00'	14°35.00'	14°50.00'
21	12°35.25'	12°50.25'	13°05.25'	13°20.25'	13°35.25'	13°50.25'	14°05.25'	14°20.25'	14°35.25'	14°50.25'
22	12°35.50'	12°50.50'	13°05.50'	13°20.50'	13°35.50'	13°50.50'	14°05.50'	14°20.50'	14°35.50'	14°50.50'
23	12°35.75'	12°50.75'	13°05.75'	13°20.75'	13°35.75'	13°50.75'	14°05.75'	14°20.75'	14°35.75'	14°50.75'
24	12°36.00'	12°51.00'	13°06.00'	13°21.00'	13°36.00'	13°51.00'	14°06.00'	14°21.00'	14°36.00'	14°51.00'
25 26	12°36.25'	12°51.25'	13°06.25'	13°21.25'	13°36.25'	13°51.25'	14°06.25'	14°21.25'	14°36.25'	14°51.25'
26 27	12°36.50' 12°36.75'	12°51.50'	13°06.50'	13°21.50' 13°21.75'	13°36.50'	13°51.50'	14°06.50'	14°21.50' 14°21.75'	14°36.50' 14°36.75'	14°51.50'
27 28		12°51.75'	13°06.75'		13°36.75'	13°51.75'	14°06.75'	14 21.75 14°22.00'		14°51.75'
26 29	12°37.00' 12°37.25'	12°52.00' 12°52.25'	13°07.00' 13°07.25'	13°22.00' 13°22.25'	13°37.00' 13°37.25'	13°52.00' 13°52.25'	14°07.00' 14°07.25'	14 22.00 14°22.25'	14°37.00' 14°37.25'	14°52.00' 14°52.25'
30	12°37.25	12 52.25 12°52.50'	13°07.25	13°22.50'	13°37.50'	13°52.25'	14 07.25 14°07.50'	14°22.25	14°37.25	14 52.25 14°52.50'
31	12°37.75'	12°52.75'	13°07.75'	13°22.75'	13°37.75'	13°52.75'	14°07.75'	14°22.75'	14°37.75'	14°52.75'
32	12°38.00'	12°53.00'	13°08.00'	13°23.00'	13°38.00'	13°53.00'	14°08.00'	14°23.00'	14°38.00'	14°53.00'
33	12°38.25'	12°53.25'	13°08.25'	13°23.25'	13°38.25'	13°53.25'	14°08.25'	14°23.25'	14°38.25'	14°53.25'
34	12°38.50'	12°53.50'	13°08.50'	13°23.50'	13°38.50'	13°53.50'	14°08.50'	14°23.50'	14°38.50'	14°53.50'
35	12°38.75'	12°53.75'	13°08.75'	13°23.75'	13°38.75'	13°53.75'	14°08.75'	14°23.75'	14°38.75'	14°53.75'
36	12°39.00'	12°54.00'	13°09.00'	13°24.00'	13°39.00'	13°54.00'	14°09.00'	14°24.00'	14°39.00'	14°54.00'
37	12°39.25'	12°54.25'	13°09.25'	13°24.25'	13°39.25'	13°54.25'	14°09.25'	14°24.25'	14°39.25'	14°54.25'
38	12°39.50'	12°54.50'	13°09.50'	13°24.50'	13°39.50'	13°54.50'	14°09.50'	14°24.50'	14°39.50'	14°54.50'
39	12°39.75'	12°54.75'	13°09.75'	13°24.75'	13°39.75'	13°54.75'	14°09.75'	14°24.75'	14°39.75'	14°54.75'
40	12°40.00'	12°55.00'	13°10.00'	13°25.00'	13°40.00'	13°55.00'	14°10.00'	14°25.00'	14°40.00'	14°55.00'
41	12°40.25'	12°55.25'	13°10.25'	13°25.25'	13°40.25'	13°55.25'	14°10.25'	14°25.25'	14°40.25'	14°55.25'
42	12°40.50'	12°55.50'	13°10.50'	13°25.50'	13°40.50'	13°55.50'	14°10.50'	14°25.50'	14°40.50'	14°55.50'
43	12°40.75'	12°55.75'	13°10.75'	13°25.75'	13°40.75'	13°55.75'	14°10.75'	14°25.75'	14°40.75'	
44	12°41.00'	12°56.00'	13°11.00'	13°26.00'	13°41.00'	13°56.00'	14°11.00'	14°26.00'	14°41.00'	14°56.00'
45	12°41.25'	12°56.25'	13°11.25'	13°26.25'	13°41.25'	13°56.25'	14°11.25'	14°26.25'	14°41.25'	14°56.25'
46	12°41.50'	12°56.50'	13°11.50'		13°41.50'		14°11.50'		14°41.50'	
47	12°41.75'	12°56.75'	13°11.75'		13°41.75'		14°11.75'		14°41.75'	14°56.75'
48	12°42.00'	12°57.00'	13°12.00'		13°42.00'			14°27.00'		
49	12°42.25'	12°57.25'	13°12.25'		13°42.25'		14°12.25'	14°27.25'	14°42.25'	
50	12°42.50'	12°57.50'	13°12.50'		13°42.50'			14°27.50'		
51	12°42.75'	12°57.75'	13°12.75'	13°27.75'	13°42.75'	13°57.75'	14°12.75'	14°27.75'	14°42.75'	14°57.75'
52	12°43.00'	12°58.00'	13°13.00'		13°43.00'			14°28.00'		
53	12°43.25'	12°58.25'	13°13.25'	13°28.25'	13°43.25'	13°58.25'	14°13.25'	14°28.25'	14°43.25'	14°58.25'
54 55	12°43.50'	12°58.50'	13°13.50'		13°43.50'		14°13.50'		14°43.50'	
55 56	12°43.75'	12°58.75'	13°13.75'	13°28.75'	13°43.75'	13°58.75'	14°13.75'	14°28.75'	14°43.75'	14°58.75'
56 57	12°44.00'	12°59.00'	13°14.00'		13°44.00'					
57 50	12°44.25'	12°59.25'	13°14.25'	13°29.25'	13°44.25'	13°59.25'	14°14.25'	14°29.25'	14°44.25'	14°59.25'
58 50	12°44.50'	12°59.50'	13°14.50'	13°29.50'	13°44.50'		14°14.50'		14°44.50'	
59	12°44.75'	12°59.75'	13°14.75'	13°29.75'	13°44.75'	13°59.75'	14°14.75'	14°29.75'	14°44.75'	14°59.75'



	minutes								
minute/100	0	1	2	3	4	5	6	7	8
00	0.000000	0.016667	0.033333	0.050000	0.066667	0.083333	0.100000	0.116667	0.133333
02	0.000333	0.017000	0.033667	0.050333	0.067000	0.083667	0.100333	0.117000	0.133667
04	0.000667	0.017333	0.034000	0.050667	0.067333	0.084000	0.100667	0.117333	0.134000
06	0.001000	0.017667	0.034333	0.051000	0.067667	0.084333	0.101000	0.117667	0.134333
08	0.001333	0.018000	0.034667	0.051333	0.068000	0.084667	0.101333	0.118000	0.134667
10	0.001667	0.018333	0.035000	0.051667	0.068333	0.085000	0.101667	0.118333	0.135000
12	0.002000	0.018667	0.035333	0.052000	0.068667	0.085333	0.102000	0.118667	0.135333
14	0.002333	0.019000	0.035667	0.052333	0.069000	0.085667	0.102333	0.119000	0.135667
16	0.002667	0.019333	0.036000	0.052667	0.069333	0.086000	0.102667	0.119333	0.136000
18	0.003000	0.019667	0.036333	0.053000	0.069667	0.086333	0.103000	0.119667	0.136333
20	0.003333	0.020000	0.036667	0.053333	0.070000	0.086667	0.103333	0.120000	0.136667
22	0.003667	0.020333	0.037000	0.053667	0.070333	0.087000	0.103667	0.120333	0.137000
24	0.004000	0.020667	0.037333	0.054000	0.070667	0.087333	0.104000	0.120667	0.137333
26	0.004333	0.021000	0.037667	0.054333	0.071000	0.087667	0.104333	0.121000	0.137667
28	0.004667	0.021333	0.038000	0.054667	0.071333	0.088000	0.104667	0.121333	0.138000
30	0.005000	0.021667	0.038333	0.055000	0.071667	0.088333	0.105000	0.121667	0.138333
32	0.005333	0.022000	0.038667	0.055333	0.072000	0.088667	0.105333	0.122000	0.138667
34	0.005667	0.022333	0.039000	0.055667	0.072333	0.089000	0.105667	0.122333	0.139000
36	0.006000	0.022667	0.039333	0.056000	0.072667	0.089333	0.106000	0.122667	0.139333
38	0.006333	0.023000	0.039667	0.056333	0.073000	0.089667	0.106333	0.123000	0.139667
40	0.006667	0.023333	0.040000	0.056667	0.073333	0.090000	0.106667	0.123333	0.140000
42	0.007000	0.023667	0.040333	0.057000	0.073667	0.090333	0.107000	0.123667	0.140333
44	0.007333	0.024000	0.040667	0.057333	0.074000	0.090667	0.107333	0.124000	0.140667
46	0.007667	0.024333	0.041000	0.057667	0.074333	0.091000	0.107667	0.124333	0.141000
48	0.008000	0.024667	0.041333	0.058000	0.074667	0.091333	0.108000	0.124667	0.141333
50	0.008333	0.025000	0.041667	0.058333	0.075000	0.091667	0.108333	0.125000	0.141667
52	0.008667	0.025333	0.042000	0.058667	0.075333	0.092000	0.108667	0.125333	0.142000
54	0.009000	0.025667	0.042333	0.059000	0.075667	0.092333	0.109000	0.125667	0.142333
56	0.009333	0.026000	0.042667	0.059333	0.076000	0.092667	0.109333	0.126000	0.142667
58	0.009667	0.026333	0.043000	0.059667	0.076333	0.093000	0.109667	0.126333	0.143000
60	0.010000	0.026667	0.043333	0.060000	0.076667	0.093333	0.110000	0.126667	0.143333
62	0.010333	0.027000	0.043667	0.060333	0.077000	0.093667	0.110333	0.127000	0.143667
64	0.010667	0.027333	0.044000	0.060667	0.077333	0.094000	0.110667	0.127333	0.144000
66	0.011000	0.027667	0.044333	0.061000	0.077667	0.094333	0.111000	0.127667	0.144333
68	0.011333	0.028000	0.044667	0.061333	0.078000	0.094667	0.111333	0.128000	0.144667
70	0.011667	0.028333	0.045000	0.061667	0.078333	0.095000	0.111667	0.128333	0.145000
72	0.012000	0.028667	0.045333	0.062000	0.078667	0.095333	0.112000	0.128667	0.145333
74	0.012333	0.029000	0.045667	0.062333	0.079000	0.095667	0.112333	0.129000	0.145667
76	0.012667	0.029333	0.046000	0.062667	0.079333	0.096000	0.112667	0.129333	0.146000
78	0.013000	0.029667	0.046333	0.063000	0.079667	0.096333	0.113000	0.129667	0.146333
80	0.013333	0.030000	0.046667	0.063333	0.080000	0.096667	0.113333	0.130000	0.146667
82	0.013667	0.030333	0.047000	0.063667	0.080333	0.097000	0.113667	0.130333	0.147000
84	0.014000	0.030667	0.047333	0.064000	0.080667	0.097333	0.114000	0.130667	0.147333
86	0.014333	0.031000	0.047667	0.064333	0.081000	0.097667	0.114333	0.131000	0.147667
88	0.014667	0.031333	0.048000	0.064667	0.081333	0.098000	0.114667	0.131333	0.148000
90	0.015000	0.031667	0.048333	0.065000	0.081667	0.098333	0.115000	0.131667	0.148333
92	0.015333	0.032000	0.048667	0.065333	0.082000	0.098667	0.115333	0.132000	0.148667
94	0.015667	0.032333	0.049000	0.065667	0.082333	0.099000	0.115667	0.132333	0.149000
96	0.016000	0.032667	0.049333	0.066000	0.082667	0.099333	0.116000	0.132667	0.149333
98	0.016333	0.033000	0.049667	0.066333	0.083000	0.099667	0.116333	0.133000	0.149667
100	0.016667	0.033333	0.050000	0.066667	0.083333	0.100000	0.116667	0.133333	0.150000

	minutes								
minute/100	9	10	11	12	13	14	15	16	17
00	0.150000	0.166667	0.183333	0.200000	0.216667	0.233333	0.250000	0.266667	0.283333
02	0.150333	0.167000	0.183667	0.200333	0.217000	0.233667	0.250333	0.267000	0.283667
04	0.150667	0.167333	0.184000	0.200667	0.217333	0.234000	0.250667	0.267333	0.284000
06	0.151000	0.167667	0.184333	0.201000	0.217667	0.234333	0.251000	0.267667	0.284333
08	0.151333	0.168000	0.184667	0.201333	0.218000	0.234667	0.251333	0.268000	0.284667
10	0.151667	0.168333	0.185000	0.201667	0.218333	0.235000	0.251667	0.268333	0.285000
12	0.152000	0.168667	0.185333	0.202000	0.218667	0.235333	0.252000	0.268667	0.285333
14	0.152333	0.169000	0.185667	0.202333	0.219000	0.235667	0.252333	0.269000	0.285667
16	0.152667	0.169333	0.186000	0.202667	0.219333	0.236000	0.252667	0.269333	0.286000
18	0.153000	0.169667	0.186333	0.203000	0.219667	0.236333	0.253000	0.269667	0.286333
20	0.153333	0.170000	0.186667	0.203333	0.220000	0.236667	0.253333	0.270000	0.286667
22	0.153667	0.170333	0.187000	0.203667	0.220333	0.237000	0.253667	0.270333	0.287000
24	0.154000	0.170667	0.187333	0.204000	0.220667	0.237333	0.254000	0.270667	0.287333
26	0.154333	0.171000	0.187667	0.204333	0.221000	0.237667	0.254333	0.271000	0.287667
28	0.154667	0.171333	0.188000	0.204667	0.221333	0.238000	0.254667	0.271333	0.288000
30	0.155000	0.171667	0.188333	0.205000	0.221667	0.238333	0.255000	0.271667	0.288333
32	0.155333	0.172000	0.188667	0.205333	0.222000	0.238667	0.255333	0.272000	0.288667
34	0.155667	0.172333	0.189000	0.205667	0.222333	0.239000	0.255667	0.272333	0.289000
36	0.156000	0.172667	0.189333	0.206000	0.222667	0.239333	0.256000	0.272667	0.289333
38	0.156333	0.173000	0.189667	0.206333	0.223000	0.239667	0.256333	0.273000	0.289667
40	0.156667	0.173333	0.190000	0.206667	0.223333	0.240000	0.256667	0.273333	0.290000
42	0.157000	0.173667	0.190333	0.207000	0.223667	0.240333	0.257000	0.273667	0.290333
44	0.157333	0.174000	0.190667	0.207333	0.224000	0.240667	0.257333	0.274000	0.290667
46	0.157667	0.174333	0.191000	0.207667	0.224333	0.241000	0.257667	0.274333	0.291000
48	0.158000	0.174667	0.191333	0.208000	0.224667	0.241333	0.258000	0.274667	0.291333
50	0.158333	0.175000	0.191667	0.208333	0.225000	0.241667	0.258333	0.275000	0.291667
52	0.158667	0.175333	0.192000	0.208667	0.225333	0.242000	0.258667	0.275333	0.292000
54	0.159000	0.175667	0.192333	0.209000	0.225667	0.242333	0.259000	0.275667	0.292333
56	0.159333	0.176000	0.192667	0.209333	0.226000	0.242667	0.259333	0.276000	0.292667
58	0.159667	0.176333	0.193000	0.209667	0.226333	0.243000	0.259667	0.276333	0.293000
60	0.160000	0.176667	0.193333	0.210000	0.226667	0.243333	0.260000	0.276667	0.293333
62	0.160333	0.177000	0.193667	0.210333	0.227000	0.243667	0.260333	0.277000	0.293667
64	0.160667	0.177333	0.194000	0.210667	0.227333	0.244000	0.260667	0.277333	0.294000
66	0.161000	0.177667	0.194333	0.211000	0.227667	0.244333	0.261000	0.277667	0.294333
68	0.161333	0.178000	0.194667	0.211333	0.228000	0.244667	0.261333	0.278000	0.294667
70	0.161667	0.178333	0.195000	0.211667	0.228333	0.245000	0.261667	0.278333	0.295000
72	0.162000	0.178667	0.195333	0.212000	0.228667	0.245333	0.262000	0.278667	0.295333
74	0.162333	0.179000	0.195667	0.212333	0.229000	0.245667	0.262333	0.279000	0.295667
76	0.162667	0.179333	0.196000	0.212667	0.229333	0.246000	0.262667	0.279333	0.296000
78	0.163000	0.179667	0.196333	0.213000	0.229667	0.246333	0.263000	0.279667	0.296333
80	0.163333	0.180000	0.196667	0.213333	0.230000	0.246667	0.263333	0.280000	0.296667
82	0.163667	0.180333	0.197000	0.213667	0.230333	0.247000	0.263667	0.280333	0.297000
84	0.164000	0.180667	0.197333	0.214000	0.230667	0.247333	0.264000	0.280667	0.297333
86	0.164333	0.181000	0.197667	0.214333	0.231000	0.247667	0.264333	0.281000	0.297667
88	0.164667	0.181333	0.198000	0.214667	0.231333	0.248000	0.264667	0.281333	0.298000
90	0.165000	0.181667	0.198333	0.215000	0.231667	0.248333	0.265000	0.281667	0.298333
92	0.165333	0.182000	0.198667	0.215333	0.232000	0.248667	0.265333	0.282000	0.298667
94	0.165667	0.182333	0.199000	0.215667	0.232333	0.249000	0.265667	0.282333	0.299000
96	0.166000	0.182667	0.199333	0.216000	0.232667	0.249333	0.266000	0.282667	0.299333
98	0.166333	0.183000	0.199667	0.216333	0.233000	0.249667	0.266333	0.283000	0.299667
100	0.166667	0.183333	0.200000	0.216667	0.233333	0.250000	0.266667	0.283333	0.300000

	minutes								
minute/100	18	19	20	21	22	23	24	25	26
00	0.300000	0.316667	0.333333	0.350000	0.366667	0.383333	0.400000	0.416667	0.433333
02	0.300333	0.317000	0.333667	0.350333	0.367000	0.383667	0.400333	0.417000	0.433667
04	0.300667	0.317333	0.334000	0.350667	0.367333	0.384000	0.400667	0.417333	0.434000
06	0.301000	0.317667	0.334333	0.351000	0.367667	0.384333	0.401000	0.417667	0.434333
08	0.301333	0.318000	0.334667	0.351333	0.368000	0.384667	0.401333	0.418000	0.434667
10	0.301667	0.318333	0.335000	0.351667	0.368333	0.385000	0.401667	0.418333	0.435000
12	0.302000	0.318667	0.335333	0.352000	0.368667	0.385333	0.402000	0.418667	0.435333
14	0.302333	0.319000	0.335667	0.352333	0.369000	0.385667	0.402333	0.419000	0.435667
16	0.302667	0.319333	0.336000	0.352667	0.369333	0.386000	0.402667	0.419333	0.436000
18	0.303000	0.319667	0.336333	0.353000	0.369667	0.386333	0.403000	0.419667	0.436333
20	0.303333	0.320000	0.336667	0.353333	0.370000	0.386667	0.403333	0.420000	0.436667
22	0.303667	0.320333	0.337000	0.353667	0.370333	0.387000	0.403667	0.420333	0.437000
24	0.304000	0.320667	0.337333	0.354000	0.370667	0.387333	0.404000	0.420667	0.437333
26	0.304333	0.321000	0.337667	0.354333	0.371000	0.387667	0.404333	0.421000	0.437667
28	0.304667	0.321333	0.338000	0.354667	0.371333	0.388000	0.404667	0.421333	0.438000
30	0.305000	0.321667	0.338333	0.355000	0.371667	0.388333	0.405000	0.421667	0.438333
32	0.305333	0.322000	0.338667	0.355333	0.372000	0.388667	0.405333	0.422000	0.438667
34	0.305667	0.322333	0.339000	0.355667	0.372333	0.389000	0.405667	0.422333	0.439000
36	0.306000	0.322667	0.339333	0.356000	0.372667	0.389333	0.406000	0.422667	0.439333
38	0.306333	0.323000	0.339667	0.356333	0.373000	0.389667	0.406333	0.423000	0.439667
40	0.306667	0.323333	0.340000	0.356667	0.373333	0.390000	0.406667	0.423333	0.440000
42	0.307000	0.323667	0.340333	0.357000	0.373667	0.390333	0.407000	0.423667	0.440333
44	0.307333	0.324000	0.340667	0.357333	0.374000	0.390667	0.407333	0.424000	0.440667
46	0.307667	0.324333	0.341000	0.357667	0.374333	0.391000	0.407667	0.424333	0.441000
48	0.308000	0.324667	0.341333	0.358000	0.374667	0.391333	0.408000	0.424667	0.441333
50	0.308333	0.325000	0.341667	0.358333	0.375000	0.391667	0.408333	0.425000	0.441667
52	0.308667	0.325333	0.342000	0.358667	0.375333	0.392000	0.408667	0.425333	0.442000
54	0.309000	0.325667	0.342333	0.359000	0.375667	0.392333	0.409000	0.425667	0.442333
56	0.309333	0.326000	0.342667	0.359333	0.376000	0.392667	0.409333	0.426000	0.442667
58	0.309667	0.326333	0.343000	0.359667	0.376333	0.393000	0.409667	0.426333	0.443000
60	0.310000	0.326667	0.343333	0.360000	0.376667	0.393333	0.410000	0.426667	0.443333
62	0.310333	0.327000	0.343667	0.360333	0.377000	0.393667	0.410333	0.427000	0.443667
64	0.310667	0.327333	0.344000	0.360667	0.377333	0.394000	0.410667	0.427333	0.444000
66	0.311000	0.327667	0.344333	0.361000	0.377667	0.394333	0.411000	0.427667	0.444333
68	0.311333	0.328000	0.344667	0.361333	0.378000	0.394667	0.411333	0.428000	0.444667
70	0.311667	0.328333	0.345000	0.361667	0.378333	0.395000	0.411667	0.428333	0.445000
72	0.312000	0.328667	0.345333	0.362000	0.378667	0.395333	0.412000	0.428667	0.445333
74	0.312333	0.329000	0.345667	0.362333	0.379000	0.395667	0.412333	0.429000	0.445667
76	0.312667	0.329333	0.346000	0.362667	0.379333	0.396000	0.412667	0.429333	0.446000
78	0.313000	0.329667	0.346333	0.363000	0.379667	0.396333	0.413000	0.429667	0.446333
80	0.313333	0.330000	0.346667	0.363333	0.380000	0.396667	0.413333	0.430000	0.446667
82	0.313667	0.330333	0.347000	0.363667	0.380333	0.397000	0.413667	0.430333	0.447000
84	0.314000	0.330667	0.347333	0.364000	0.380667	0.397333	0.414000	0.430667	0.447333
86	0.314333	0.331000	0.347667	0.364333	0.381000	0.397667	0.414333	0.431000	0.447667
88	0.314667	0.331333	0.348000	0.364667	0.381333	0.398000	0.414667	0.431333	0.448000
90	0.315000	0.331667	0.348333	0.365000	0.381667	0.398333	0.415000	0.431667	0.448333
92	0.315333	0.332000	0.348667	0.365333	0.382000	0.398667	0.415333	0.432000	0.448667
94	0.315667	0.332333	0.349000	0.365667	0.382333	0.399000	0.415667	0.432333	0.449000
96	0.316000	0.332667	0.349333	0.366000	0.382667	0.399333	0.416000	0.432667	0.449333
98	0.316333	0.333000	0.349667	0.366333	0.383000	0.399667	0.416333	0.433000	0.449667
100	0.316667	0.333333	0.350000	0.366667	0.383333	0.400000	0.416667	0.433333	0.450000

	minutes								
minute/100	27	28	29	30	31	32	33	34	35
00	0.450000	0.466667	0.483333	0.500000	0.516667	0.533333	0.550000	0.566667	0.583333
02	0.450333	0.467000	0.483667	0.500333	0.517000	0.533667	0.550333	0.567000	0.583667
04	0.450667	0.467333	0.484000	0.500667	0.517333	0.534000	0.550667	0.567333	0.584000
06	0.451000	0.467667	0.484333	0.501000	0.517667	0.534333	0.551000	0.567667	0.584333
08	0.451333	0.468000	0.484667	0.501333	0.518000	0.534667	0.551333	0.568000	0.584667
10	0.451667	0.468333	0.485000	0.501667	0.518333	0.535000	0.551667	0.568333	0.585000
12	0.452000	0.468667	0.485333	0.502000	0.518667	0.535333	0.552000	0.568667	0.585333
14	0.452333	0.469000	0.485667	0.502333	0.519000	0.535667	0.552333	0.569000	0.585667
16	0.452667	0.469333	0.486000	0.502667	0.519333	0.536000	0.552667	0.569333	0.586000
18	0.453000	0.469667	0.486333	0.503000	0.519667	0.536333	0.553000	0.569667	0.586333
20	0.453333	0.470000	0.486667	0.503333	0.520000	0.536667	0.553333	0.570000	0.586667
22	0.453667	0.470333	0.487000	0.503667	0.520333	0.537000	0.553667	0.570333	0.587000
24	0.454000	0.470667	0.487333	0.504000	0.520667	0.537333	0.554000	0.570667	0.587333
26	0.454333	0.471000	0.487667	0.504333	0.521000	0.537667	0.554333	0.571000	0.587667
28	0.454667	0.471333	0.488000	0.504667	0.521333	0.538000	0.554667	0.571333	0.588000
30	0.455000	0.471667	0.488333	0.505000	0.521667	0.538333	0.555000	0.571667	0.588333
32	0.455333	0.472000	0.488667	0.505333	0.522000	0.538667	0.555333	0.572000	0.588667
34	0.455667	0.472333	0.489000	0.505667	0.522333	0.539000	0.555667	0.572333	0.589000
36	0.456000	0.472667	0.489333	0.506000	0.522667	0.539333	0.556000	0.572667	0.589333
38	0.456333	0.473000	0.489667	0.506333	0.523000	0.539667	0.556333	0.573000	0.589667
40	0.456667	0.473333	0.490000	0.506667	0.523333	0.540000	0.556667	0.573333	0.590000
42	0.457000	0.473667	0.490333	0.507000	0.523667	0.540333	0.557000	0.573667	0.590333
44	0.457333	0.474000	0.490667	0.507333	0.524000	0.540667	0.557333	0.574000	0.590667
46	0.457667	0.474333	0.491000	0.507667	0.524333	0.541000	0.557667	0.574333	0.591000
48	0.458000	0.474667	0.491333	0.508000	0.524667	0.541333	0.558000	0.574667	0.591333
50	0.458333	0.475000	0.491667	0.508333	0.525000	0.541667	0.558333	0.575000	0.591667
52	0.458667	0.475333	0.492000	0.508667	0.525333	0.542000	0.558667	0.575333	0.592000
54	0.459000	0.475667	0.492333	0.509000	0.525667	0.542333	0.559000	0.575667	0.592333
56	0.459333	0.476000	0.492667	0.509333	0.526000	0.542667	0.559333	0.576000	0.592667
58	0.459667	0.476333	0.493000	0.509667	0.526333	0.543000	0.559667	0.576333	0.593000
60	0.460000	0.476667	0.493333	0.510000	0.526667	0.543333	0.560000	0.576667	0.593333
62	0.460333	0.477000	0.493667	0.510333	0.527000	0.543667	0.560333	0.577000	0.593667
64	0.460667	0.477333	0.494000	0.510667	0.527333	0.544000	0.560667	0.577333	0.594000
66	0.461000	0.477667	0.494333	0.511000	0.527667	0.544333	0.561000	0.577667	0.594333
68	0.461333	0.478000	0.494667	0.511333	0.528000	0.544667	0.561333	0.578000	0.594667
70	0.461667	0.478333	0.495000	0.511667	0.528333	0.545000	0.561667	0.578333	0.595000
72	0.462000	0.478667	0.495333	0.512000	0.528667	0.545333	0.562000	0.578667	0.595333
74	0.462333	0.479000	0.495667	0.512333	0.529000	0.545667	0.562333	0.579000	0.595667
76	0.462667	0.479333	0.496000	0.512667	0.529333	0.546000	0.562667	0.579333	0.596000
78	0.463000	0.479667	0.496333	0.513000	0.529667	0.546333	0.563000	0.579667	0.596333
80	0.463333	0.480000	0.496667	0.513333	0.530000	0.546667	0.563333	0.580000	0.596667
82	0.463667	0.480333	0.497000	0.513667	0.530333	0.547000	0.563667	0.580333	0.597000
84	0.464000	0.480667	0.497333	0.514000	0.530667	0.547333	0.564000	0.580667	0.597333
86	0.464333	0.481000	0.497667	0.514333	0.531000	0.547667	0.564333	0.581000	0.597667
88	0.464667	0.481333	0.498000	0.514667	0.531333	0.548000	0.564667	0.581333	0.598000
90	0.465000	0.481667	0.498333	0.515000	0.531667	0.548333	0.565000	0.581667	0.598333
92	0.465333	0.482000	0.498667	0.515333	0.532000	0.548667	0.565333	0.582000	0.598667
94	0.465667	0.482333	0.499000	0.515667	0.532333	0.549000	0.565667	0.582333	0.599000
96	0.466000	0.482667	0.499333	0.516000	0.532667	0.549333	0.566000	0.582667	0.599333
98	0.466333	0.483000	0.499667	0.516333	0.533000	0.549667	0.566333	0.583000	0.599667
100	0.466667	0.483333	0.500000	0.516667	0.533333	0.550000	0.566667	0.583333	0.600000
			-						

	minutes								
minute/100	36	37	38	39	40	41	42	43	44
00	0.600000	0.616667	0.633333	0.650000	0.666667	0.683333	0.700000	0.716667	0.733333
02	0.600333	0.617000	0.633667	0.650333	0.667000	0.683667	0.700333	0.717000	0.733667
04	0.600667	0.617333	0.634000	0.650667	0.667333	0.684000	0.700667	0.717333	0.734000
06	0.601000	0.617667	0.634333	0.651000	0.667667	0.684333	0.701000	0.717667	0.734333
08	0.601333	0.618000	0.634667	0.651333	0.668000	0.684667	0.701333	0.718000	0.734667
10	0.601667	0.618333	0.635000	0.651667	0.668333	0.685000	0.701667	0.718333	0.735000
12	0.602000	0.618667	0.635333	0.652000	0.668667	0.685333	0.702000	0.718667	0.735333
14	0.602333	0.619000	0.635667	0.652333	0.669000	0.685667	0.702333	0.719000	0.735667
16	0.602667	0.619333	0.636000	0.652667	0.669333	0.686000	0.702667	0.719333	0.736000
18	0.603000	0.619667	0.636333	0.653000	0.669667	0.686333	0.703000	0.719667	0.736333
20	0.603333	0.620000	0.636667	0.653333	0.670000	0.686667	0.703333	0.720000	0.736667
22	0.603667	0.620333	0.637000	0.653667	0.670333	0.687000	0.703667	0.720333	0.737000
24	0.604000	0.620667	0.637333	0.654000	0.670667	0.687333	0.704000	0.720667	0.737333
26	0.604333	0.621000	0.637667	0.654333	0.671000	0.687667	0.704333	0.721000	0.737667
28	0.604667	0.621333	0.638000	0.654667	0.671333	0.688000	0.704667	0.721333	0.738000
30	0.605000	0.621667	0.638333	0.655000	0.671667	0.688333	0.705000	0.721667	0.738333
32	0.605333	0.622000	0.638667	0.655333	0.672000	0.688667	0.705333	0.722000	0.738667
34	0.605667	0.622333	0.639000	0.655667	0.672333	0.689000	0.705667	0.722333	0.739000
36	0.606000	0.622667	0.639333	0.656000	0.672667	0.689333	0.706000	0.722667	0.739333
38	0.606333	0.623000	0.639667	0.656333	0.673000	0.689667	0.706333	0.723000	0.739667
40	0.606667	0.623333	0.640000	0.656667	0.673333	0.690000	0.706667	0.723333	0.740000
42	0.607000	0.623667	0.640333	0.657000	0.673667	0.690333	0.707000	0.723667	0.740333
44	0.607333	0.624000	0.640667	0.657333	0.674000	0.690667	0.707333	0.724000	0.740667
46	0.607667	0.624333	0.641000	0.657667	0.674333	0.691000	0.707667	0.724333	0.741000
48	0.608000	0.624667	0.641333	0.658000	0.674667	0.691333	0.708000	0.724667	0.741333
50	0.608333	0.625000	0.641667	0.658333	0.675000	0.691667	0.708333	0.725000	0.741667
52	0.608667	0.625333	0.642000	0.658667	0.675333	0.692000	0.708667	0.725333	0.742000
54	0.609000	0.625667	0.642333	0.659000	0.675667	0.692333	0.709000	0.725667	0.742333
56	0.609333	0.626000	0.642667	0.659333	0.676000	0.692667	0.709333	0.726000	0.742667
58	0.609667	0.626333	0.643000	0.659667	0.676333	0.693000	0.709667	0.726333	0.743000
60	0.610000	0.626667	0.643333	0.660000	0.676667	0.693333	0.710000	0.726667	0.743333
62	0.610333	0.627000	0.643667	0.660333	0.677000	0.693667	0.710333	0.727000	0.743667
64	0.610667	0.627333	0.644000	0.660667	0.677333	0.694000	0.710667	0.727333	0.744000
66	0.611000	0.627667	0.644333	0.661000	0.677667	0.694333	0.711000	0.727667	0.744333
68	0.611333	0.628000	0.644667	0.661333	0.678000	0.694667	0.711333	0.728000	0.744667
70	0.611667	0.628333	0.645000	0.661667	0.678333	0.695000	0.711667	0.728333	0.745000
72	0.612000	0.628667	0.645333	0.662000	0.678667	0.695333	0.712000	0.728667	0.745333
74	0.612333	0.629000	0.645667	0.662333	0.679000	0.695667	0.712333	0.729000	0.745667
76	0.612667	0.629333	0.646000	0.662667	0.679333	0.696000	0.712667	0.729333	0.746000
78	0.613000	0.629667	0.646333	0.663000	0.679667	0.696333	0.713000	0.729667	0.746333
80	0.613333	0.630000	0.646667	0.663333	0.680000	0.696667	0.713333	0.730000	0.746667
82	0.613667	0.630333	0.647000	0.663667	0.680333	0.697000	0.713667	0.730333	0.747000
84	0.614000	0.630667	0.647333	0.664000	0.680667	0.697333	0.714000	0.730667	0.747333
86	0.614333	0.631000	0.647667	0.664333	0.681000	0.697667	0.714333	0.731000	0.747667
88	0.614667	0.631333	0.648000	0.664667	0.681333	0.698000	0.714667	0.731333	0.748000
90	0.615000	0.631667	0.648333	0.665000	0.681667	0.698333	0.715000	0.731667	0.748333
92	0.615333	0.632000	0.648667	0.665333	0.682000	0.698667	0.715333	0.732000	0.748667
94	0.615667	0.632333	0.649000	0.665667	0.682333	0.699000	0.715667	0.732333	0.749000
96	0.616000	0.632667	0.649333	0.666000	0.682667	0.699333	0.716000	0.732667	0.749333
98	0.616333	0.633000	0.649667	0.666333	0.683000	0.699667	0.716333	0.733000	0.749667
100	0.616667	0.633333	0.650000	0.666667	0.683333	0.700000	0.716667	0.733333	0.750000

	minutes								
minute/100	45	46	47	48	49	50	51	52	53
00	0.750000	0.766667	0.783333	0.800000	0.816667	0.833333	0.850000	0.866667	0.883333
02	0.750333	0.767000	0.783667	0.800333	0.817000	0.833667	0.850333	0.867000	0.883667
04	0.750667	0.767333	0.784000	0.800667	0.817333	0.834000	0.850667	0.867333	0.884000
06	0.751000	0.767667	0.784333	0.801000	0.817667	0.834333	0.851000	0.867667	0.884333
08	0.751333	0.768000	0.784667	0.801333	0.818000	0.834667	0.851333	0.868000	0.884667
10	0.751667	0.768333	0.785000	0.801667	0.818333	0.835000	0.851667	0.868333	0.885000
12	0.752000	0.768667	0.785333	0.802000	0.818667	0.835333	0.852000	0.868667	0.885333
14	0.752333	0.769000	0.785667	0.802333	0.819000	0.835667	0.852333	0.869000	0.885667
16	0.752667	0.769333	0.786000	0.802667	0.819333	0.836000	0.852667	0.869333	0.886000
18	0.753000	0.769667	0.786333	0.803000	0.819667	0.836333	0.853000	0.869667	0.886333
20	0.753333	0.770000	0.786667	0.803333	0.820000	0.836667	0.853333	0.870000	0.886667
22	0.753667	0.770333	0.787000	0.803667	0.820333	0.837000	0.853667	0.870333	0.887000
24	0.754000	0.770667	0.787333	0.804000	0.820667	0.837333	0.854000	0.870667	0.887333
26	0.754333	0.771000	0.787667	0.804333	0.821000	0.837667	0.854333	0.871000	0.887667
28	0.754667	0.771333	0.788000	0.804667	0.821333	0.838000	0.854667	0.871333	0.888000
30	0.755000	0.771667	0.788333	0.805000	0.821667	0.838333	0.855000	0.871667	0.888333
32	0.755333	0.772000	0.788667	0.805333	0.822000	0.838667	0.855333	0.872000	0.888667
34	0.755667	0.772333	0.789000	0.805667	0.822333	0.839000	0.855667	0.872333	0.889000
36	0.756000	0.772667	0.789333	0.806000	0.822667	0.839333	0.856000	0.872667	0.889333
38	0.756333	0.773000	0.789667	0.806333	0.823000	0.839667	0.856333	0.873000	0.889667
40	0.756667	0.773333	0.790000	0.806667	0.823333	0.840000	0.856667	0.873333	0.890000
42	0.757000	0.773667	0.790333	0.807000	0.823667	0.840333	0.857000	0.873667	0.890333
44	0.757333	0.774000	0.790667	0.807333	0.824000	0.840667	0.857333	0.874000	0.890667
46	0.757667	0.774333	0.791000	0.807667	0.824333	0.841000	0.857667	0.874333	0.891000
48	0.758000	0.774667	0.791333	0.808000	0.824667	0.841333	0.858000	0.874667	0.891333
50	0.758333	0.775000	0.791667	0.808333	0.825000	0.841667	0.858333	0.875000	0.891667
52	0.758667	0.775333	0.792000	0.808667	0.825333	0.842000	0.858667	0.875333	0.892000
54	0.759000	0.775667	0.792333	0.809000	0.825667	0.842333	0.859000	0.875667	0.892333
56	0.759333	0.776000	0.792667	0.809333	0.826000	0.842667	0.859333	0.876000	0.892667
58	0.759667	0.776333	0.793000	0.809667	0.826333	0.843000	0.859667	0.876333	0.893000
60	0.760000	0.776667	0.793333	0.810000	0.826667	0.843333	0.860000	0.876667	0.893333
62	0.760333	0.777000	0.793667	0.810333	0.827000	0.843667	0.860333	0.877000	0.893667
64	0.760667	0.777333	0.794000	0.810667	0.827333	0.844000	0.860667	0.877333	0.894000
66	0.761000	0.777667	0.794333	0.811000	0.827667	0.844333	0.861000	0.877667	0.894333
68	0.761333	0.778000	0.794667	0.811333	0.828000	0.844667	0.861333	0.878000	0.894667
70	0.761667	0.778333	0.795000	0.811667	0.828333	0.845000	0.861667	0.878333	0.895000
72	0.762000	0.778667	0.795333	0.812000	0.828667	0.845333	0.862000	0.878667	0.895333
74	0.762333	0.779000	0.795667	0.812333	0.829000	0.845667	0.862333	0.879000	0.895667
76	0.762667	0.779333	0.796000	0.812667	0.829333	0.846000	0.862667	0.879333	0.896000
78	0.763000	0.779667	0.796333	0.813000	0.829667	0.846333	0.863000	0.879667	0.896333
80	0.763333	0.780000	0.796667	0.813333	0.830000	0.846667	0.863333	0.880000	0.896667
82	0.763667	0.780333	0.797000	0.813667	0.830333	0.847000	0.863667	0.880333	0.897000
84	0.764000	0.780667	0.797333	0.814000	0.830667	0.847333	0.864000	0.880667	0.897333
86	0.764333	0.781000	0.797667	0.814333	0.831000	0.847667	0.864333	0.881000	0.897667
88	0.764667	0.781333	0.798000	0.814667	0.831333	0.848000	0.864667	0.881333	0.898000
90	0.765000	0.781667	0.798333	0.815000	0.831667	0.848333	0.865000	0.881667	0.898333
92	0.765333	0.782000	0.798667	0.815333	0.832000	0.848667	0.865333	0.882000	0.898667
94	0.765667	0.782333	0.799000	0.815667	0.832333	0.849000	0.865667	0.882333	0.899000
96	0.766000	0.782667	0.799333	0.816000	0.832667	0.849333	0.866000	0.882667	0.899333
98	0.766333	0.783000	0.799667	0.816333	0.833000	0.849667	0.866333	0.883000	0.899667
100	0.766667	0.783333	0.800000	0.816667	0.833333	0.850000	0.866667	0.883333	0.900000

	minutes					
minute/100	54	55	56	57	58	59
00	0.900000	0.916667	0.933333	0.950000	0.966667	0.983333
02	0.900333	0.917000	0.933667	0.950333	0.967000	0.983667
04	0.900667	0.917333	0.934000	0.950667	0.967333	0.984000
06	0.901000	0.917667	0.934333	0.951000	0.967667	0.984333
08	0.901333	0.918000	0.934667	0.951333	0.968000	0.984667
10	0.901667	0.918333	0.935000	0.951667	0.968333	0.985000
12	0.902000	0.918667	0.935333	0.952000	0.968667	0.985333
14	0.902333	0.919000	0.935667	0.952333	0.969000	0.985667
16	0.902667	0.919333	0.936000	0.952667	0.969333	0.986000
18	0.903000	0.919667	0.936333	0.953000	0.969667	0.986333
20	0.903333	0.920000	0.936667	0.953333	0.970000	0.986667
22	0.903667	0.920333	0.937000	0.953667	0.970333	0.987000
24	0.904000	0.920667	0.937333	0.954000	0.970667	0.987333
26	0.904333	0.921000	0.937667	0.954333	0.971000	0.987667
28	0.904667	0.921333	0.938000	0.954667	0.971333	0.988000
30	0.905000	0.921667	0.938333	0.955000	0.971667	0.988333
32	0.905333	0.922000	0.938667	0.955333	0.972000	0.988667
34	0.905667	0.922333	0.939000	0.955667	0.972333	0.989000
36	0.906000	0.922667	0.939333	0.956000	0.972667	0.989333
38	0.906333	0.923000	0.939667	0.956333	0.973000	0.989667
40	0.906667	0.923333	0.940000	0.956667	0.973333	0.990000
42	0.907000	0.923667	0.940333	0.957000	0.973667	0.990333
44	0.907333	0.924000	0.940667	0.957333	0.974000	0.990667
46	0.907667	0.924333	0.941000	0.957667	0.974333	0.991000
48	0.908000	0.924667	0.941333	0.958000	0.974667	0.991333
50	0.908333	0.925000	0.941667	0.958333	0.975000	0.991667
52	0.908667	0.925333	0.942000	0.958667	0.975333	0.992000
54	0.909000	0.925667	0.942333	0.959000	0.975667	0.992333
56	0.909333	0.926000	0.942667	0.959333	0.976000	0.992667
58	0.909667	0.926333	0.943000	0.959667	0.976333	0.993000
60	0.910000	0.926667	0.943333	0.960000	0.976667	0.993333
62	0.910333	0.927000	0.943667	0.960333	0.977000	0.993667
64	0.910667	0.927333	0.944000	0.960667	0.977333	0.994000
66	0.911000	0.927667	0.944333	0.961000	0.977667	0.994333
68	0.911333	0.928000	0.944667	0.961333	0.978000	0.994667
70	0.911667	0.928333	0.945000	0.961667	0.978333	0.995000
72	0.912000	0.928667	0.945333	0.962000	0.978667	0.995333
74	0.912333	0.929000	0.945667	0.962333	0.979000	0.995667
76	0.912667	0.929333	0.946000	0.962667	0.979333	0.996000
78	0.913000	0.929667	0.946333	0.963000	0.979667	0.996333
80	0.913333	0.930000	0.946667	0.963333	0.980000	0.996667
82	0.913667	0.930333	0.947000	0.963667	0.980333	0.997000
84	0.914000	0.930667	0.947333	0.964000	0.980667	0.997333
86	0.914333	0.931000	0.947667	0.964333	0.981000	0.997667
88	0.914667	0.931333	0.948000	0.964667	0.981333	0.998000
90	0.915000	0.931667	0.948333	0.965000	0.981667	0.998333
92	0.915333	0.932000	0.948667	0.965333	0.982000	0.998667
94	0.915667	0.932333	0.949000	0.965667	0.982333	0.999000
96	0.916000	0.932667	0.949333	0.966000	0.982667	0.999333
98	0.916333	0.933000	0.949667	0.966333	0.983000	0.999667
100	0.916667	0.933333	0.950000	0.966667	0.983333	1.000000
100	3.310007	0.000000	3.333000	3.300001	0.000000	1.000000