MHR-2015 hav – DONIOL Quick Sight Reduction by Hand

hav (s2s)	= n + (1 – q) * hav (LHA)
Hc	= 90 ° – s2s

s2s distance ship to star, aka ZD

L:	Latitude	set:	n = hav(L- d)
d:	declination		p = hav(L+d)
LHA:	Loc. Hour Angle		q = n + p

enter L
enter d

n: look up hav >

L , d have:
same name L – d
contr name L + d

q = sum

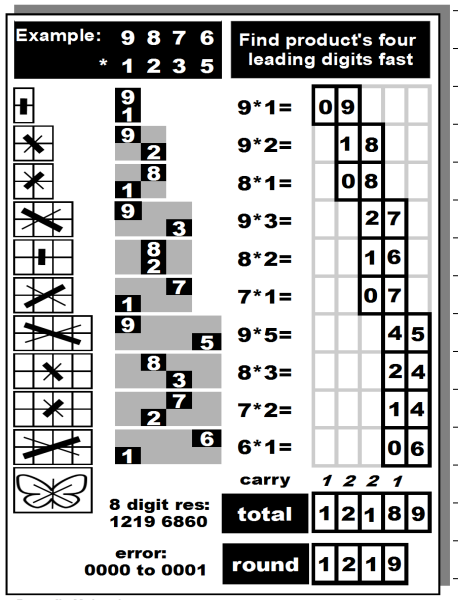
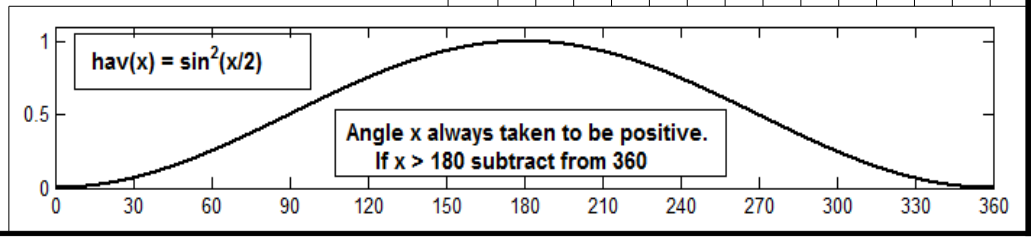
enter L
enter d

< p: look up hav <

L , d have:
same name L + d
contr name L – d

const	1	0	0	0	0
copy q					
(1– q) : subtr.					
look up hav(LHA)					

enter LHA

multiply (1- q) * hav (LHA)

carry					
product = total					
round product					
copy n					
hav (s2s) = sum					
90°	8	9	°	6	0
enter hav (s2s)			°		
Hc : subtr.			°