

**SHARP**<sup>®</sup>**EL-509V EL-509VH**  
**EL-531V EL-531VH****Operation Examples****Bedienungsbeispiele****Exemples d'opérations****Ejemplos de operación****Esempli di calcolo****Rekenvoorbeelden****Exemplos de Operação****Operationsexempel****Käyttöesimerkkejä**

## 操作示例

## 연산 실례들

## ตัวอย่างการคำนวณทำงาน

## أمثلة العمليات

## Примеры функционирования

**Kezelési példák****Contoh Operasi**

## 操作例

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03HGK (TINSZ0423TH03)**(1)** ▲ ▼

① 3(5+2)=	<span>ON/C</span> 3 <span>(</span> 5 <span>+</span> 2 <span>)</span> <span>=</span>	<b>21.</b>
② 3×5+2=	3 <span>×</span> 5 <span>+</span> 2 <span>=</span>	<b>17.</b>
③ 3×5+3×2=	3 <span>×</span> 5 <span>+</span> 3 <span>×</span> 2 <span>=</span>	<b>21.</b>
→ ①	<span>2ndF</span> <span>▲</span>	<b>21.</b>
→ ②	<span>▼</span>	<b>17.</b>
→ ③	<span>▼</span>	<b>21.</b>
→ ②	<span>▲</span>	<b>17.</b>

**(2)** + − × ÷ ( ) (+/-) Exp

45+285÷3=	<span>ON/C</span> 45 <span>+</span> 285 <span>÷</span> 3 <span>=</span>	<b>140.</b>
18+6	<span>(</span> 18 <span>+</span> 6 <span>)</span> <span>÷</span>	
15−8	<span>(</span> 15 <span>−</span> 8 <span>=</span>	<b>3.428571429</b>
42×(−5)+120=	42 <span>×</span> <span>(+/-)</span> 5 <span>+</span> 120 <span>=</span>	<b>−90.</b>
	<span>*1</span> <span>(5</span> <span>+/-</span> <span>)</span> <span>*1</span>	
(5×10 <sup>9</sup> )+(4×10 <sup>−3</sup> )=	5 <span>(Exp)</span> 3 <span>÷</span> 4 <span>(Exp)</span> <span>+/-</span> 3 <span>=</span>	<b>1250000.</b>

**(3)**

34+57=	34 <span>+</span> 57 <span>=</span>	<b>91.</b>
45+57=	45 <span>=</span>	<b>102.</b>
68×25=	68 <span>×</span> 25 <span>=</span>	<b>1700.</b>
68×40=	40 <span>=</span>	<b>2720.</b>

**(4)** sin cos tan sin<sup>−1</sup> cos<sup>−1</sup> tan<sup>−1</sup> π DRG hyp  
arc hyp ln log e<sup>x</sup> 10<sup>x</sup> x<sup>−1</sup> x<sup>2</sup> √ y<sup>x</sup>  
x√ √<sup>3</sup> n! nPr nCr %

sin60[°]=	<span>ON/C</span> <span>sin</span> 60 <span>=</span>	<b>0.866025403</b>
cos <sup><span><span>π</span></span></sup> <sub>4</sub> [rad]=	<span>DRG</span> <span>cos</span> <span>(</span> <span>π</span> <span>÷</span> 4 <span>)</span> <span>=</span>	<b>0.707106781</b>
tan <sup>−1</sup> 1=[g]	<span>DRG</span> <span>2ndF</span> <span>(tan<sup>−1</sup>)</span> 1 <span>=</span>	<b>50.</b>
(cosh 1.5 + sinh 1.5) <sup>2</sup> =	<span>ON/C</span> <span>(</span> <span>hyp</span> <span>cos</span> 1.5 <span>+</span> <span>hyp</span> <span>sin</span> 1.5 <span>)</span> <span>2</span> <span>=</span>	<b>20.08553692</b>
tanh <sup>−1</sup> <span><span>5</span><span>⁄</span><span>7</span></span> =	<span>2ndF</span> <span>(arc hyp)</span> <span>(tan</span> <span>(</span> <span>5</span> <span>÷</span> 7 <span>)</span> <span>)</span> <span>=</span>	<b>0.895879734</b>
ln 20 =	<span>ln</span> 20 <span>=</span>	<b>2.995732274</b>
log 50 =	<span>log</span> 50 <span>=</span>	<b>1.698970004</b>
e <sup>3</sup> =	<span>2ndF</span> <span>(e<sup>x</sup>)</span> 3 <span>=</span>	<b>20.08553692</b>
10 <sup>1.7</sup> =	<span>2ndF</span> <span>(10<sup>x</sup>)</span> 1.7 <span>=</span>	<b>50.11872336</b>
1 + <span><span>1</span><span>⁄</span><span>7</span></span> =	6 <span>2ndF</span> <span>(x<sup>−1</sup>)</span> <span>+</span> 7 <span>2ndF</span> <span>(x<sup>−1</sup>)</span> <span>=</span>	<b>0.309523809</b>
8 <sup>−2</sup> − 3 <sup>4</sup> × 5 <sup>2</sup> =	8 <span>(y<sup>x</sup>)</span> <span>(+/-)</span> 2 <span>−</span> 3 <span>(y<sup>x</sup>)</span> <span>×</span> 5 <span>(x<sup>2</sup>)</span> <span>=</span>	<b>−2024.984375</b>
(12 <sup>3</sup> ) <sup><span><span>1</span><span>⁄</span><span>7</span></span></sup> =	12 <span>(y<sup>x</sup>)</span> 3 <span>(y<sup>x</sup>)</span> 4 <span>2ndF</span> <span>(x<sup>−1</sup>)</span> <span>=</span>	<b>6.447419591</b>
√49 − <sup>4</sup> √81 =	<span>√</span> 49 <span>−</span> 4 <span>2ndF</span> <span>(√<sup>4</sup>)</span> 81 <span>=</span>	<b>4.</b>
√ <sup>3</sup> 27	<span>2ndF</span> <span>(√<sup>3</sup>)</span> 27 <span>=</span>	<b>3.</b>
4! =	4 <span>2ndF</span> <span>(n!)</span> <span>=</span>	<b>24.</b>
10 <sup>10</sup> P <sub>3</sub> =	10 <span>2ndF</span> <span>(nPr)</span> 3 <span>=</span>	<b>720.</b>
<sup>5</sup> C <sub>2</sub> =	5 <span>2ndF</span> <span>(nCr)</span> 2 <span>=</span>	<b>10.</b>
500×25%=	500 <span>×</span> 25 <span>2ndF</span> <span>(%)</span> <span>=</span>	<b>125.</b>
120÷400=?%	120 <span>÷</span> 400 <span>2ndF</span> <span>(%)</span> <span>=</span>	<b>30.</b>

•••••					
500+(500×25%)=	500	<span>+</span>	25	<span>2ndF</span> <span>(%)</span>	<b>625.</b>
400−(400×30%)=	400	<span>−</span>	30	<span>2ndF</span> <span>(%)</span>	<b>280.</b>

**(5)** DRG▶

90°→ [rad]	<span>ON/C</span> 90 <span>2ndF</span> <span>(DRG▶)</span>	<b>1.570796327</b>
→ [g]	<span>2ndF</span> <span>(DRG▶)</span>	<b>100.</b>
→ [°]	<span>2ndF</span> <span>(DRG▶)</span>	<b>90.</b>
sin <sup>−1</sup> 0.8 = [°]	<span>2ndF</span> <span>(sin<sup>−1</sup>)</span> 0.8 <span>=</span>	<b>53.13010235</b>
→ [rad]	<span>2ndF</span> <span>(DRG▶)</span>	<b>0.927295218</b>
→ [g]	<span>2ndF</span> <span>(DRG▶)</span>	<b>59.03344706</b>
→ [°]	<span>2ndF</span> <span>(DRG▶)</span>	<b>53.13010235</b>

**(6)** ALPHA RCL STO M+ M− ANS

A=56	<span>ON/C</span> 56 <span>STO</span> <span>(A)</span>	<b>56.</b>
B=68	68 <span>STO</span> <span>(B)</span>	<b>68.</b>
A÷2+B×4=	<span>2ndF</span> <span>(ALPHA)</span> <span>(A)</span> <span>÷</span> 2 <span>+</span> <span>2ndF</span> <span>(ALPHA)</span> <span>(B)</span> <span>×</span> 4 <span>=</span>	<b>300.</b>
	<span>ON/C</span> 8 <span>×</span> 2 <span>STO</span> <span>(M)</span>	<b>16.</b>
24÷(8×2)=	24 <span>÷</span> <span>2ndF</span> <span>(ALPHA)</span> <span>(M)</span> <span>=</span>	<b>1.5</b>
(8×2)×5=	<span>2ndF</span> <span>(ALPHA)</span> <span>(M)</span> <span>×</span> 5 <span>=</span>	<b>80.</b>
	<span>ON/C</span> <span>STO</span> <span>(M)</span>	<b>0.</b>
\$150×3:M <sub>1</sub>	150 <span>×</span> 3 <span>M+</span>	<b>450.</b>
+\$250:M <sub>2</sub> =M <sub>1</sub> +250	250 <span>M+</span>	<b>250.</b>
−)M <sub>2</sub> ×5%	<span>RCL</span> <span>(M)</span> <span>×</span> 5 <span>2ndF</span> <span>(%)</span>	<b>35.</b>
M	<span>2ndF</span> <span>(M−)</span> <span>RCL</span> <span>(M)</span>	<b>665.</b>
\$1= ¥140	140 <span>STO</span> <span>(Y)</span>	<b>140.</b>
¥33,775= \$?	33775 <span>÷</span> <span>RCL</span> <span>(Y)</span> <span>=</span>	<b>241.25</b>
\$2,750= ¥?	2750 <span>×</span> <span>RCL</span> <span>(Y)</span> <span>=</span>	<b>385000.</b>
r = 3cm	3 <span>STO</span> <span>(Y)</span>	<b>3.</b>
πr <sup>2</sup> = ?	<span>π</span> <span>2ndF</span> <span>(ALPHA)</span>	
(r → Y)	<span>Y</span> <span>x<sup>2</sup></span> <span>=</span>	<b>28.27433388</b>
	24 <span>÷</span> <span>(</span> 4 <span>+</span> 6 <span>)</span>	
	<span>=</span>	<b>2.4</b>
<span><span>24</span><span>⁄</span><span>4+6</span></span> = 2.4...(A)	3 <span>×</span> <span>2ndF</span> <span>(ANS)</span> <span>+</span> 60 <span>÷</span>	
3×(A)+60÷(A)=	<span>2ndF</span> <span>(ANS)</span> <span>=</span>	<b>32.2</b>

**(7)**

6+4=ANS	<span>ON/C</span> 6 <span>+</span> 4 <span>=</span>	<b>10.</b>
ANS+5	<span>+</span> 5 <span>=</span>	<b>15.</b>
44+37=ANS	44 <span>+</span> 37 <span>=</span>	<b>81.</b>
√ANS=	<span>√</span> <span>=</span>	<b>9.</b>

**(8)** a<sup>b</sup>/c d/c

3 <span><span>1</span><span>⁄</span><span>2</span></span> + <span><span>4</span><span>⁄</span><span>3</span></span> = [a <sup>b</sup> / <sub>c</sub> ]	<span>ON/C</span> 3 <span>(a<sup>b</sup>/c)</span> 1 <span>(a<sup>b</sup>/c)</span> 2 <span>+</span>	
	4 <span>(a<sup>b</sup>/c)</span> 3 <span>=</span>	<b>4<span> </span>Γ<span> </span>5<span> </span>Γ<span> </span>6<span> </span>*</b>
→[a.xxx]	<span>(a<sup>b</sup>/c)</span>	<b>4.833333333</b>
→[d/c]	<span>2ndF</span> <span>(d/c)</span>	<b>29<span> </span>Γ<span> </span>6</b>
	<span>2ndF</span> <span>(10<sup>x</sup>)</span> 2 <span>(a<sup>b</sup>/c)</span> 3	
10 <span><span>2</span><span>⁄</span><span>3</span></span> =	<span>=</span>	<b>4.641588834</b>
1.25 + <span><span>2</span><span>⁄</span><span>5</span></span> = [a.xxx]	1.25 <span>+</span> 2 <span>(a<sup>b</sup>/c)</span> 5 <span>=</span>	<b>1.65</b>
→[a <sup>b</sup> / <sub>c</sub> ]	<span>(a<sup>b</sup>/c)</span>	<b>1<span> </span>Γ<span> </span>13<span> </span>Γ<span> </span>20</b>
1.65	<span>ON/C</span> 1.65 <span>=</span>	<b>1.65</b>
→[a <sup>b</sup> / <sub>c</sub> ]	<span>(a<sup>b</sup>/c)</span>	<b>1<span> </span>Γ<span> </span>13<span> </span>Γ<span> </span>20</b>
→[d/c]	<span>2ndF</span> <span>(d/c)</span>	<b>33<span> </span>Γ<span> </span>20</b>
→[a.xxx]	<span>(a<sup>b</sup>/c)</span>	<b>1.65</b>

\* 4 Γ 5 Γ 6=45⁄6**(9)** D<sup>M</sup>S ↔DEG

12°39'18"05	<span>ON/C</span> 12 <span>(D<sup>M</sup>S)</span> 39 <span>(D<sup>M</sup>S)</span> 18 <span>(D<sup>M</sup>S)</span> 5	
→ [10]	<span>2ndF</span> <span>(↔DEG)</span>	<b>12.65501389</b>
123.678	123.678 <span>2ndF</span> <span>(↔DEG)</span>	<b>123°<span> </span>40'<span> </span>40.80</b>
→ [60]		
3h30m45s +	3 <span>(D<sup>M</sup>S)</span> 30 <span>(D<sup>M</sup>S)</span> 45 <span>+</span> 6 <span>(D<sup>M</sup>S)</span>	
6h45m36s = [60]	45 <span>(D<sup>M</sup>S)</span> 36 <span>=</span>	<b>10°<span> </span>16'<span> </span>21.00</b>
3h45m −	3 <span>(D<sup>M</sup>S)</span> 45 <span>−</span> 1.69 <span>=</span>	
1.69h = [60]	<span>2ndF</span> <span>(↔DEG)</span>	<b>2°<span> </span>03'<span> </span>36.00</b>
sin62°12'24" = [10]	<span>sin</span> 62 <span>(D<sup>M</sup>S)</span> 12 <span>(D<sup>M</sup>S)</span> 24 <span>=</span>	<b>0.884635235</b>

**(10)** →rθ ↔xy ↔ ←r→

	<span>ON/C</span> 6 <span>2ndF</span> <span>(→</span> <span>)</span> 4	
<span><span>    x = 6   y = 4   {\displaystyle x=6 \theta =4}  </span></span>	<span>2ndF</span> <span>(↔rθ)</span> <span>[r]</span>	<b>7.211102551</b>
	<span>2ndF</span> <span>(←r→)</span> <span>[θ]</span>	<b>33.69006753</b>
	<span>2ndF</span> <span>(←r→)</span> <span>[r]</span>	<b>7.211102551</b>

	14 <span>2ndF</span> <span>(→</span> <span>)</span> 36	
<span><span>    r = 14   θ<!-- θ --> = 36[  ∘<!-- ∘ -->   ]   {\displaystyle r=14 \theta =36[^\circ ]}  </span></span>	<span>2ndF</span> <span>(↔xy)</span> <span>[x]</span>	<b>11.32623792</b>
	<span>2ndF</span> <span>(←r→)</span> <span>[y]</span>	<b>8.228993532</b>
	<span>2ndF</span> <span>(←r→)</span> <span>[x]</span>	<b>11.32623792</b>

**(11)** MDF

5÷9=ANS	<span>ON/C</span> <span>2ndF</span> <span>(FSE)</span> <span>2ndF</span> <span>(TAB)</span> 1	
ANS×9=	5 <span>÷</span> 9 <span>=</span>	<b>0.6</b>
[FIX,TAB=1]	<span>×</span> 9 <span>=</span> <span>*1</span>	<b>5.0</b>
	5 <span>÷</span> 9 <span>=</span> <span>2ndF</span> <span>(MDF)</span>	<b>0.6</b>
	<span>×</span> 9 <span>=</span> <span>*2</span>	<b>5.4</b>
	<span>2ndF</span> <span>(FSE)</span> <span>2ndF</span> <span>(FSE)</span> <span>2ndF</span> <span>(FSE)</span>	

\*1 5.555555555555×10<sup>−1</sup>×9

\*2 0.6×9

**(12)** MODE **(STAT x)**

	<span>2ndF</span> <span>(MODE)</span> <span>(1)</span>	<b>0.</b>
95	95 <span>(DATA)</span>	<b>1.</b>
80	80 <span>(DATA)</span>	<b>2.</b>
80	80 <span>(DATA)</span>	<b>3.</b>
75	<span>(DATA)</span>	<b>6.</b>
75	75 <span>(x,y)</span> 3 <span>(DATA)</span>	<b>7.</b>
75	75 <span>(DATA)</span>	
50		
<span><span>    x ¯<!-- ¯ -->    {\displaystyle {\bar {x}}}  </span></span>	<span>RCL</span> <span>(x̄)</span>	<b>75.71428571</b>
σx=	<span>RCL</span> <span>(σx)</span>	<b>12.37179148</b>
Σx=	<span>RCL</span> <span>(Σx)</span>	<b>530.</b>
Σx <sup>2</sup> =	<span>RCL</span> <span>(Σx<sup>2</sup>)</span>	<b>41200.</b>
sx=	<span>RCL</span> <span>(sx)</span>	<b>13.3630621</b>
sx <sup>2</sup> =	<span>x<sup>2</sup></span> <span>=</span>	<b>178.5714286</b>

**(13)** MODE **(STAT xy)**

	<span>2ndF</span> <span>(MODE)</span> <span>(2)</span>	<b>0.</b>
<span><span>    x y   {\displaystyle xy}  </span></span>	2 <span>(x,y)</span> 5 <span>(DATA)</span>	<b>1.</b>
2	5 <span>(DATA)</span>	<b>2.</b>
2	5	<b>1.</b>
12	24 <span>(x,y)</span> 24 <span>(DATA)</span>	<b>3.</b>
21	40 <span>(x,y)</span> 40 <span>(x,y)</span> 3 <span>(DATA)</span>	<b>6.</b>
21	40	<b>7.</b>
21	40	<b>1.050261097</b>
21	40	<b>1.826044386</b>
15	25 <span>(x,y)</span> 25 <span>(DATA)</span>	<b>0.995176343</b>
	<span>RCL</span> <span>(a)</span>	<b>8.541216597</b>
	<span>RCL</span> <span>(b)</span>	<b>15.67223812</b>
	<span>RCL</span> <span>(r)</span>	
	<span>RCL</span> <span>(sx)</span>	
	<span>RCL</span> <span>(sy)</span>	

x=3 → y <sup>?</sup> =?	3 <span>2ndF</span> <span>(y<sup>?</sup>)</span>	<b>6.528394256</b>
y=46 → x <sup>?</sup> =?	46 <span>2ndF</span> <span>(x<sup>?</sup>)</span>	<b>24.61590706</b>

**(14)**

<span><span>    x ¯<!-- ¯ --> =    ∑<!-- ∑ --> x n     {\displaystyle {\bar {x}}={\frac {\sum x}{n}}}  </span></span>	<span><span>    σ<!-- σ --> x =    ∑<!-- ∑ -->  x  2   −<!-- − --> n x ¯<!-- ¯ -->  2     n     {\displaystyle \sigma x={\sqrt {\frac {\sum x^{2}-n{\bar {x}}^{2}}{n}}}  </span></span>
<span><span>    s x x =    ∑<!-- ∑ -->  x  2   −<!-- − --> n x ¯<!-- ¯ -->  2     n −<!-- − --> 1     {\displaystyle sxx={\sqrt {\frac {\sum x^{2}-n{\bar {x}}^{2}}{n-1}}}  </span></span>	<span><span>    Σ<!-- Σ --> x =  x  1   +  x  2   + ⋯<!-- ⋯ --> +  x  n     {\displaystyle \Sigma x=x_{1}+x_{2}+\cdots +x_{n}}  </span></span> <span><span>    Σ<!-- Σ -->  x  2   =  x  1   2   +  x  2   2   + ⋯<!-- ⋯ --> +  x  n   2     {\displaystyle \Sigma x^{2}=x_{1}^{2}+x_{2}^{2}+\cdots +x_{n}^{2}}  </span></span>
<span><span>    y ¯<!-- ¯ --> =    ∑<!-- ∑ --> y n     {\displaystyle {\bar {y}}={\frac {\sum y}{n}}}  </span></span>	<span><span>    σ<!-- σ --> y =    ∑<!-- ∑ -->  y  2   −<!-- − --> n y ¯<!-- ¯ -->  2     n     {\displaystyle \sigma y={\sqrt {\frac {\sum y^{2}-n{\bar {y}}^{2}}{n}}}  </span></span>
<span><span>    s y y =    ∑<!-- ∑ -->  y  2   −<!-- − --> n y ¯<!-- ¯ -->  2     n −<!-- − --> 1     {\displaystyle syy={\sqrt {\frac {\sum y^{2}-n{\bar {y}}^{2}}{n-1}}}  </span></span>	<span><span>    Σ<!-- Σ --> x y =  x  1   y  1   +  x  2   y  2   + ⋯<!-- ⋯ --> +  x  n   y  n     {\displaystyle \Sigma xy=x_{1}y_{1}+x_{2}y_{2}+\cdots +x_{n}y_{n}}  </span></span> <span><span>    Σ<!-- Σ --> y =  y  1   +  y  2   + ⋯<!-- ⋯ --> +  y  n     {\displaystyle \Sigma y=y_{1}+y_{2}+\cdots +y_{n}}  </span></span> <span><span>    Σ<!-- Σ -->  y  2   =  y  1   2   +  y  2   2   + ⋯<!-- ⋯ --> +  y  n   2     {\displaystyle \Sigma y^{2}=y_{1}^{2}+y_{2}^{2}+\cdots +y_{n}^{2}}  </span></span>

This equipment complies with the requirements of Directive 89/336/EEC as amended by 93/68/EEC.

Dieses Gerät entspricht den Anforderungen der EG-Richtlinie 89/336/EWG mit Änderung 93/68/EWG.

Ce matériel répond aux exigences contenues dans la directive 89/336/CEE modifiée par la directive 93/68/CEE.

Dit apparaat voldoet aan de eisen van de richtlijn 89/336/EEG, gewijzigd door 93/68/EEG.

Dette udstyr overholder kravene i direktiv nr. 89/336/EEC med tillæg nr. 93/68/EEC.

Quest' apparecchio è conforme ai requisiti della direttiva 89/336/EEC come emendata dalla direttiva 93/68/EEC.

Η εγκατάσταση αυτή ανταποκρίνεται στις απαιτήσεις των οδηγιών της Ευρωπαϊκής Ένωσης 89/336/ΕΟΚ, όπως ο κανονισμός αυτός συμπληρώθηκε από την οδηγία 93/68/ΕΟΚ.

Este equipamento obedece às exigências da directiva 89/336/CEE na sua versão