

2000- 2001

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2001

L.B. RESNICK, E. CAUZINILLE – MARMECHE, J. MATHIEU:

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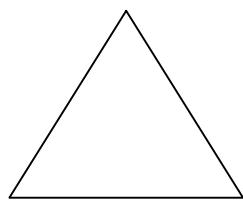
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1 _____:

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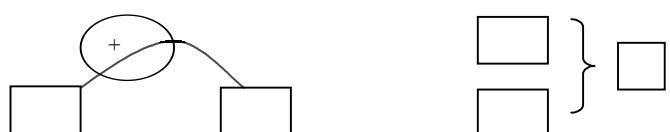
1:

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$$\begin{array}{r}
 -(+) = - \\
 30-(8+12) = 30-8-12 \\
 \hline
 30 \quad . \quad 20 \quad . \quad 30 \\
 ,8 \quad . \quad 12 \quad . \quad .. \quad 12
 \end{array}$$

$$+ = +$$

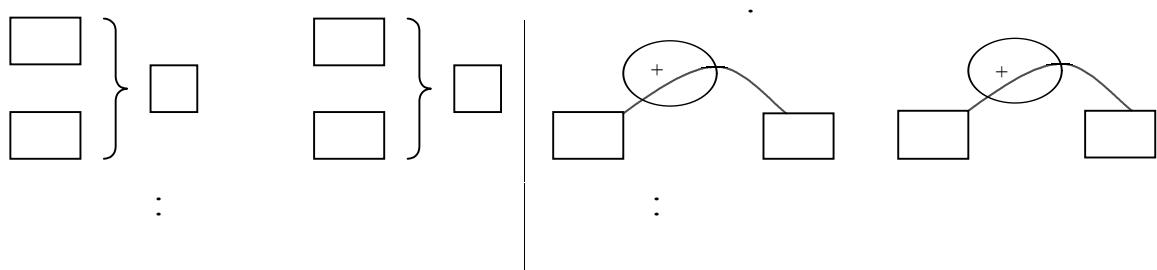
1



(2)

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(Matz 1982) :

$$\begin{aligned} \cdot & * (+) = (*) + (*) \\ \square (\Delta) &= (\square) \Delta (\square) \\ + (*) &= (\sqrt{\beta}) * (\sqrt{\gamma}) \end{aligned}$$

$$\sqrt{\beta+\gamma} = \sqrt{\beta} + \sqrt{\gamma}$$

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$+ (+)(+)+, +(-)(-) +, +(+) \setminus +(-),$
 $- (+)(+) -, (-) \setminus (-) -, +(-)(+) -, (-)$
 $+ (+) -, - + \setminus - +, + - \setminus + -, -(+) \setminus -(+)$ «\»;
 11+5+8, 15+9-4, 14-7+2, 17-11-4 ;
 $- (+)()$;
 $- (-)()$;
 , 2) : 1)
 3)

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$$+(-) \neq (+) - \quad -(-) = (-) - .$$

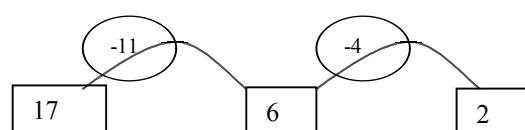
1.
2.

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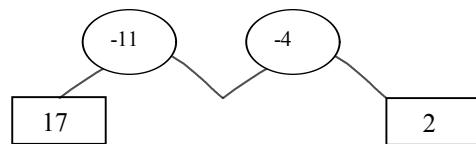
3.&4.

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17-11-4.



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