$au_1, \hat{ au_1}$

 $\tau_0, \hat{\tau_0}$

 $\tau_2, \hat{\tau_2}$

 $au_3, \hat{ au_2}$

$$\begin{aligned} |\partial \hat{\tau_0}| &= 32 & |\partial \hat{\tau_1}| &= 24 & |\partial \hat{\tau_2}| &= 16 & |\partial \hat{\tau_3}| &= 8 \end{aligned}$$

$$\Delta E(\mathcal{T}_i, \tau) &= \frac{[V(\hat{\tau}'')]^2}{|\hat{\tau}''|} - \frac{[V(\hat{\tau})]^2}{|\hat{\tau}|} - \frac{[V(\hat{\tau}')]^2}{|\hat{\tau}'|} + \nu \times (|\partial \hat{\tau}| + |\partial \hat{\tau}'| - |\partial \hat{\tau}''|)$$

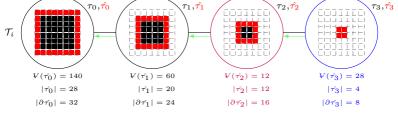
$$|\partial \vec{\tau}_0| = 32 \qquad |\partial \vec{\tau}_1| = 24 \qquad |\partial \vec{\tau}_2| = 16 \qquad |\partial \vec{\tau}_3| = 8$$

$$\Delta E(\mathcal{T}_i, \tau) = \frac{[V(\hat{\tau}'')]^2}{|\hat{\tau}''|} - \frac{[V(\hat{\tau})]^2}{|\hat{\tau}|} - \frac{[V(\hat{\tau}')]^2}{|\hat{\tau}'|} + \nu \times (|\partial \hat{\tau}| + |\partial \hat{\tau}'| - |\partial \hat{\tau}''|)$$

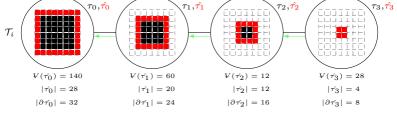
$$T_{i} = \begin{bmatrix} \tau_{0}, \tau_{0} \\ \tau_{1}, \tau_{1} \\ \tau_{2}, \tau_{2} \\ \tau_{3}, \tau_{2} \\ \tau_{1}, \tau_{1} \\ \tau_{2}, \tau_{2} \\ \tau_{3}, \tau_{3}, \tau_{2} \\ \tau_{3}, \tau_{3}, \tau_{2} \\ \tau_{3}, \tau_{3},$$

$$|\partial \vec{\tau}_0| = 32 \qquad |\partial \vec{\tau}_1| = 24 \qquad |\partial \vec{\tau}_2| = 16 \qquad |\partial \vec{\tau}_3| = 8$$

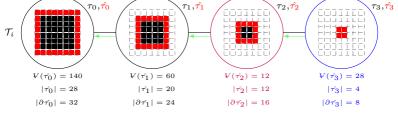
$$\Delta E(\mathcal{T}_i, \tau) = \frac{[V(\hat{\tau}'')]^2}{|\hat{\tau}''|} - \frac{[V(\hat{\tau})]^2}{|\hat{\tau}|} - \frac{[V(\hat{\tau}')]^2}{|\hat{\tau}'|} + \nu \times (|\partial \hat{\tau}| + |\partial \hat{\tau}'| - |\partial \hat{\tau}''|)$$



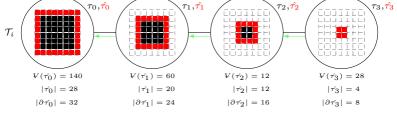
$$\Delta E(\mathcal{T}, \tau_3) = \frac{40^2}{16} - \frac{28^2}{4} - \frac{12^2}{12} + 2 \times 8$$



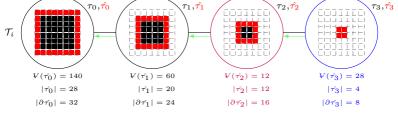
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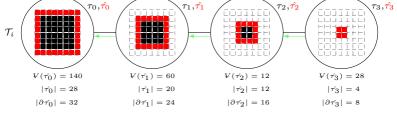
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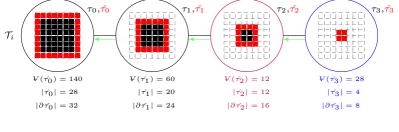
$$\Delta E(\mathcal{T}, \tau_3) = \frac{40^2}{16} - \frac{28^2}{4} - \frac{12^2}{12} + 2 \times 8$$



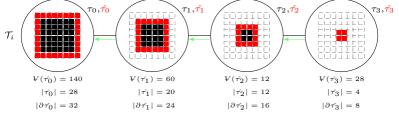
$$\Delta E(\mathcal{T}, \tau_3) = \frac{40^2}{16} - \frac{28^2}{4} - \frac{12^2}{12} + 2 \times 8$$



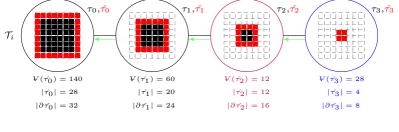
$$\Delta E(\mathcal{T}, \tau_3) = \frac{40^2}{16} - \frac{28^2}{4} - \frac{12^2}{12} + 2 \times 8$$



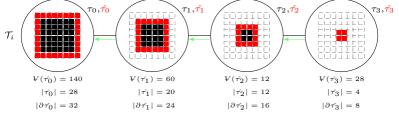
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



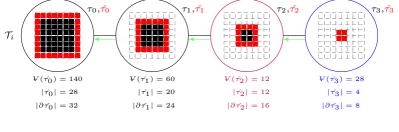
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



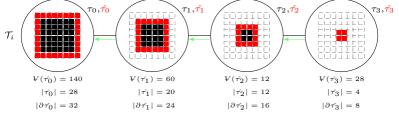
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



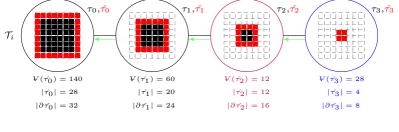
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



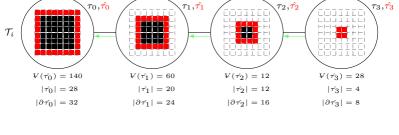
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



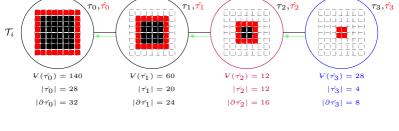
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



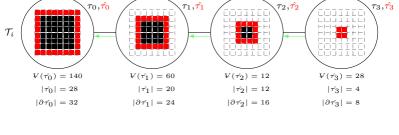
$$\Delta E(\mathcal{T}, \tau_3) = -92$$



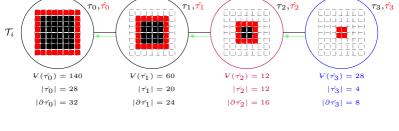
$$\Delta E(\mathcal{T}, \tau_3) = -92, \ \Delta E(\mathcal{T}, \tau_3) < 0$$



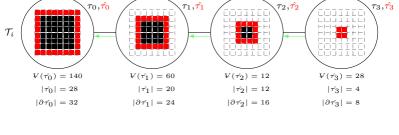
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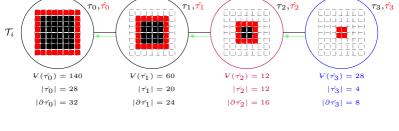
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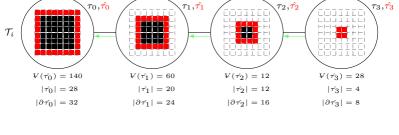
$$\Delta E(\mathcal{T}, \tau_3) = -92, \ \Delta E(\mathcal{T}, \tau_3) < 0$$



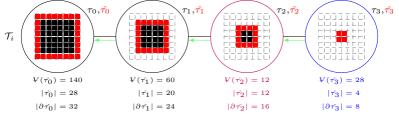
$$\Delta E(\mathcal{T}, \tau_3) = -92, \ \Delta E(\mathcal{T}, \tau_3) < 0$$

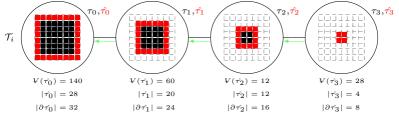


$$\Delta E(\mathcal{T}, \tau_3) = -92, \ \Delta E(\mathcal{T}, \tau_3) < 0$$

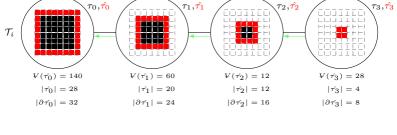


$$\Delta E(\mathcal{T}, \tau_3) = -92, \ \Delta E(\mathcal{T}, \tau_3) < 0$$



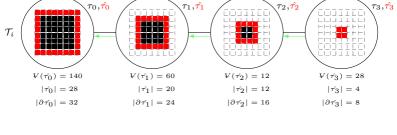


$$\Delta E(\mathcal{T}, \tau_2) = \frac{72^2}{32} - \frac{12^2}{12} - \frac{60^2}{20} + 2 \times 16$$



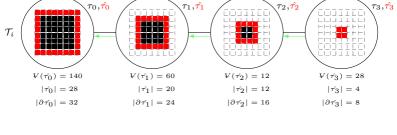
$$\Delta E(\mathcal{T}, \tau_2) = \frac{72^2}{32} - \frac{12^2}{12} - \frac{60^2}{20} + 2 \times 16$$

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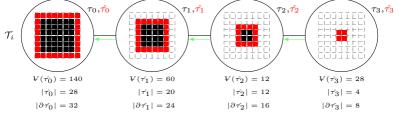
$$\Delta E(\mathcal{T}, \tau_2) = \frac{72^2}{32} - \frac{12^2}{12} - \frac{60^2}{20} + 2 \times 16$$

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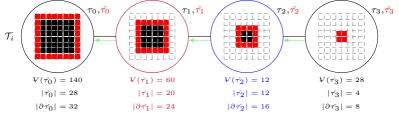


$$\Delta E(\mathcal{T}, \tau_2) = \frac{72^2}{32} - \frac{12^2}{12} - \frac{60^2}{20} + 2 \times 16$$

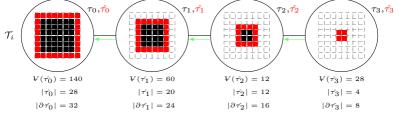
$$\Delta E(\mathcal{T}, \tau_2) = \frac{72^2}{32} - \frac{12^2}{12} - \frac{60^2}{20} + 2 \times 16$$



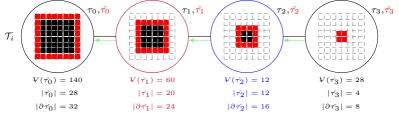
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



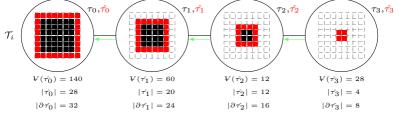
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



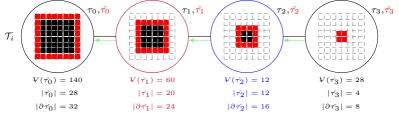
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



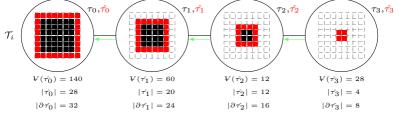
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



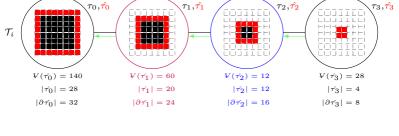
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



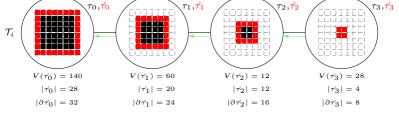
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



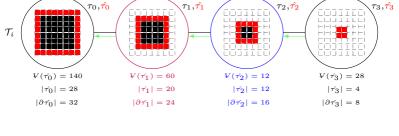
$$\Delta E(\mathcal{T}, \tau_2) = 2$$



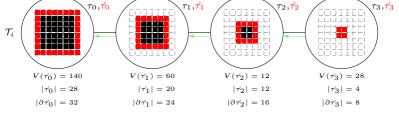
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$



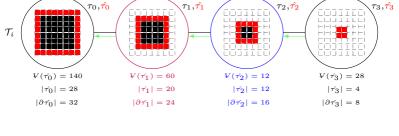
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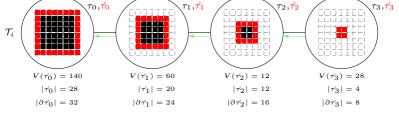
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$



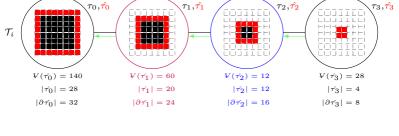
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$



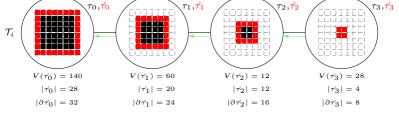
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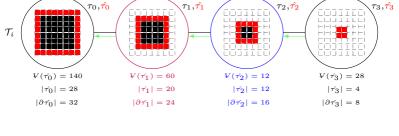
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$



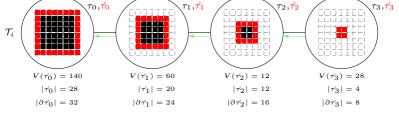
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$



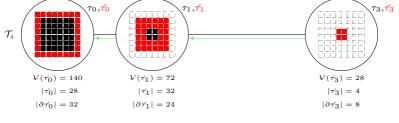
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$

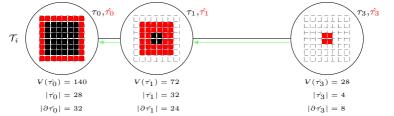


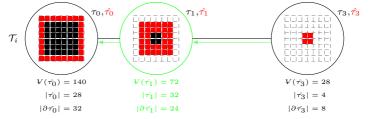
$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$

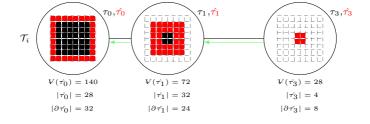


$$\Delta E(\mathcal{T}, \tau_2) = 2, \ \Delta E(\mathcal{T}, \tau_2) > 0$$

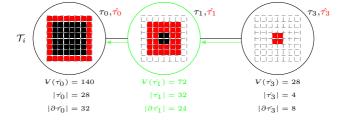








Atualizando τ_1



Atualizando τ_1

$$T_{i} = \begin{cases} \tau_{0}, \hat{\tau_{0}} \\ \tau_{0}, \hat{\tau_{0}} \\$$

$$\Delta E(\mathcal{T}, au_3) = rac{100^2}{36} - rac{28^2}{4} - rac{72^2}{32} + 2 imes 8$$

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$$T_{i} = \begin{cases} \tau_{0}, \hat{\tau_{0}} \\ \tau_{0}, \hat{\tau_{0}} \\$$

$$\Delta E(\mathcal{T}, au_3) = rac{100^2}{36} - rac{28^2}{4} - rac{72^2}{32} + 2 imes 8$$

$$\Delta E(\mathcal{T}, au_3) = rac{100^2}{36} - rac{28^2}{4} - rac{72^2}{32} + 2 imes 8$$

$$T_{i} = \begin{cases} \tau_{0}, \hat{\tau_{0}} \\ \tau_{0}, \hat{\tau_{0}} \\$$

$$\Delta E(\mathcal{T}, au_3) = rac{100^2}{36} - rac{28^2}{4} - rac{72^2}{32} + 2 imes 8$$

$$\Delta E(\mathcal{T}, au_3) = rac{100^2}{36} - rac{28^2}{4} - rac{72^2}{32} + 2 imes 8$$

$$T_{i} = \begin{cases} \tau_{0}, \hat{\tau_{0}} \\ \tau_{0}, \hat{\tau_{0}} \\$$

$$\Delta E(\mathcal{T}, au_3) = rac{100^2}{36} - rac{28^2}{4} - rac{72^2}{32} + 2 imes 8$$

$$\Delta E(T, \tau_3) = -64.22$$

$$\Delta E(\mathcal{T}, \tau_3) = -64.22$$

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$$\Delta E(T, \tau_3) = -64.22$$

$$\Delta E(T, \tau_3) = -64.22, \, \Delta E(T, \tau_3) < 0$$

$$\Delta E(T, \tau_3) = -64.22, \, \Delta E(T, \tau_3) < 0$$

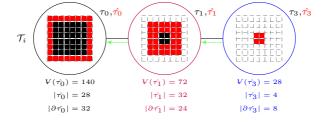
$$\Delta E(T, \tau_3) = -64.22, \, \Delta E(T, \tau_3) < 0$$

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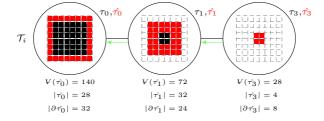
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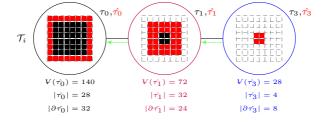
$$\Delta E(T, \tau_3) = -64.22, \, \Delta E(T, \tau_3) < 0$$



Não remove τ_3



Não remove τ_3



Não remove τ_3

$$\Delta E(\mathcal{T}, \tau_1) = \frac{212^2}{60} - \frac{72^2}{32} - \frac{140^2}{28} + 2 \times 24$$

$$\Delta E(\mathcal{T}, au_1) = rac{212^2}{60} - rac{72^2}{32} - rac{140^2}{28} + 2 imes 24$$

$$\Delta E(\mathcal{T}, \tau_1) = \frac{212^2}{60} - \frac{72^2}{32} - \frac{140^2}{28} + 2 \times 24$$

$$\Delta E(\mathcal{T}, au_1) = rac{212^2}{60} - rac{72^2}{32} - rac{140^2}{28} + 2 imes 24$$

$$\Delta E(\mathcal{T}, \tau_1) = \frac{212^2}{60} - \frac{72^2}{32} - \frac{140^2}{28} + 2 \times 24$$

$$\Delta E(\mathcal{T}, au_1) = rac{212^2}{60} - rac{72^2}{32} - rac{140^2}{28} + 2 imes 24$$

$$\Delta E(\mathcal{T}, \tau_1) = \frac{212^2}{60} - \frac{72^2}{32} - \frac{140^2}{28} + 2 \times 24$$

$$\Delta E(\mathcal{T}, \tau_1) = -64.93$$

$$\Delta E(T, \tau_1) = -64.93, \, \Delta E(T, \tau_1) < 0$$

$$\Delta E(T, \tau_1) = -64.93, \, \Delta E(T, \tau_1) < 0$$

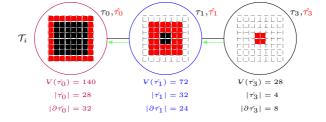
$$\Delta E(T, \tau_1) = -64.93, \, \Delta E(T, \tau_1) < 0$$

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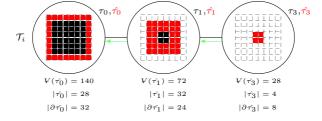
$$\Delta E(T, \tau_1) = -64.93, \, \Delta E(T, \tau_1) < 0$$

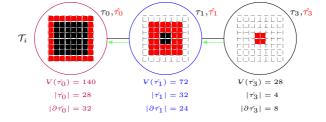
$$\Delta E(T, \tau_1) = -64.93, \, \Delta E(T, \tau_1) < 0$$

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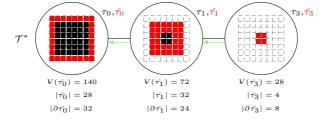


Não remove τ_1





Não remove τ_1



Fim do exemplo