

[illegible]

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$\triangle A_1 \triangle A_2 A_3 \triangle A_4 + A_1 A_2 \triangle A_3 A_4 \triangle A_1 \triangle A_2 A_3 \triangle A_4$

$\frac{A}{\Delta} \cdot A + A \cdot A + \frac{A}{\Delta} \cdot A = A \cdot A + \frac{A}{\Delta} \cdot A + \frac{A}{\Delta} \cdot A$

$\frac{A}{7} \triangle \frac{A}{8} + \frac{A}{9} A - \frac{A}{10} \triangle \frac{A}{11} \frac{A}{12} \frac{A}{13} \frac{A}{14} \frac{A}{15} \frac{A}{16} \frac{A}{17} \frac{A}{18} \frac{A}{19} \frac{A}{20} \frac{A}{21} \frac{A}{22}$

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$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & -i \\ 0 & 1 \end{pmatrix}$

$\vdash A \triangle B \wedge A \triangleright A \triangle B \triangle A \vdash A \wedge A \triangleright A \triangle B \triangle A$ $\vdash A \triangle B \wedge A \triangleright A \triangle B \triangle A$ $\vdash A \triangle B \wedge A \triangleright A \triangle B \triangle A$ $\vdash A \triangle B \wedge A \triangleright A \triangle B \triangle A$

$\begin{array}{ccccccc} \triangle & \nabla & \triangle & \triangle & \triangle & + & \triangle \\ \nabla & \triangle & \triangle & \triangle & \triangle & + & \triangle \\ \triangle & \nabla & \triangle & \triangle & \triangle & + & \triangle \\ \triangle & \nabla & \triangle & \triangle & \triangle & + & \triangle \end{array}$

$\frac{A}{B} \cdot \frac{C}{D} = \frac{AC}{BD}$

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$\frac{A}{B} \cdot \frac{C}{D} = \frac{AC}{BD}$

[illegible]

$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ -1 & i \end{pmatrix}$

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$\frac{1}{2} \triangle \frac{1}{2} + \frac{1}{2} \frac{1}{2} \quad \frac{1}{2} \triangle \quad \frac{1}{2} \triangle \frac{1}{2} \triangle \frac{1}{2} \quad \frac{1}{2} + \frac{1}{2} \triangle + \frac{1}{2} \frac{1}{2} \quad \frac{1}{2} + \frac{1}{2} \quad \frac{1}{2} \frac{1}{2} \frac{1}{2} \triangle \frac{1}{2}$
 $\frac{1}{2} \frac{1}{2} \quad \frac{1}{2} \frac{1}{2} \quad + \frac{1}{2} \quad \frac{1}{2} \frac{1}{2} \triangle \frac{1}{2} \triangle \frac{1}{2} + \frac{1}{2} \triangle \frac{1}{2} \quad \frac{1}{2} \frac{1}{2} \frac{1}{2} \triangle \frac{1}{2}$

$\triangle A \triangle B \triangle C \triangle D \triangle E \triangle F \triangle G \triangle H \triangle I \triangle J \triangle K \triangle L \triangle M \triangle N \triangle O \triangle P \triangle Q \triangle R \triangle S \triangle T \triangle U \triangle V \triangle W \triangle X \triangle Y \triangle Z$
 $\triangle A \triangle B \triangle C \triangle D \triangle E \triangle F \triangle G \triangle H \triangle I \triangle J \triangle K \triangle L \triangle M \triangle N \triangle O \triangle P \triangle Q \triangle R \triangle S \triangle T \triangle U \triangle V \triangle W \triangle X \triangle Y \triangle Z$

$\triangleleft \overset{\circ}{A} \triangleleft \vdash \overset{\circ}{A}$ $\overset{\circ}{A} \triangleleft \triangleleft \overset{\circ}{A}$ $\vdash \overset{\circ}{A} \vdash \overset{\circ}{A} \triangleleft \overset{\circ}{A}$ $\triangleleft \overset{\circ}{A} \overset{\circ}{A} \triangleleft \overset{\circ}{A}$ $\overset{\circ}{A} \vdash \overset{\circ}{A}$ $\overset{\circ}{A} \triangleleft \overset{\circ}{A}$
 $\triangleleft \overset{\circ}{A} \triangleleft \overset{\circ}{A}$ $\triangleleft \overset{\circ}{A} \triangleleft \overset{\circ}{A}$ $\triangleleft \overset{\circ}{A} \vdash \overset{\circ}{A} \triangleleft \overset{\circ}{A} \vdash \overset{\circ}{A} \overset{\circ}{A}$ $\vdash \overset{\circ}{A} \triangleleft \overset{\circ}{A} \triangleleft \vdash \overset{\circ}{A} \triangleleft \overset{\circ}{A}$

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$\triangle A_1 A_2 A_3 \sim \triangle A_4 A_5 A_6 \sim \triangle A_7 A_8 A_9 \sim \triangle A_{10} A_{11} A_{12}$
 $\triangle A_1 A_4 A_7 \sim \triangle A_2 A_5 A_8 \sim \triangle A_3 A_6 A_9 \sim \triangle A_4 A_7 A_{10}$
 $\triangle A_5 A_8 A_{11} \sim \triangle A_6 A_9 A_{12} \sim \triangle A_7 A_{10} A_{11}$

The diagrams illustrate the steps of the Euclidean algorithm for finding the GCD of 12 and 18. The steps are as follows:

- 18 divided by 12, remainder 6.
- 12 divided by 6, remainder 0.
- 6 divided by 6, remainder 0.

The final result is 6.

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$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & i \\ -1 & i \end{pmatrix}$

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$\frac{A}{B} + \frac{A}{C} \triangle \frac{A}{D} + \frac{A}{E} \quad \triangle \frac{A}{F} \triangle \frac{A}{G} + \frac{A}{H} \quad \frac{A}{I} + \frac{A}{J} \quad \frac{A}{K} \triangle \frac{A}{L} + \frac{A}{M} \triangle \frac{A}{N} \quad \frac{A}{O} + \frac{A}{P} \triangle$
 $\frac{A}{Q} + \frac{A}{R} \triangle \frac{A}{S} + \frac{A}{T} \quad \frac{A}{U} \triangle \frac{A}{V} \quad \frac{A}{W} + \frac{A}{X} \triangle \frac{A}{Y} + \frac{A}{Z} \triangle \frac{A}{AA} + \frac{A}{AB} \quad \frac{A}{AC} \triangle \frac{A}{AD} \triangle \frac{A}{AE} \triangle \frac{A}{AF} \triangle$

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$\vdash A \triangle A$ $\vdash A \triangle A$ $A \triangleright A \triangle A$ $A \triangle \vdash A \vdash A \triangleright A$ $\vdash A \triangleright \vdash A$ $\vdash A$
 $\vdash A \vdash A$ $\vdash A \triangle A$

$\triangleleft \overset{\circ}{A} \mid \overset{\circ}{B} \overset{\circ}{A} \triangleleft \overset{\circ}{C} \overset{\circ}{A} \triangleleft \overset{\circ}{D} \overset{\circ}{A} \triangleleft \overset{\circ}{E} \overset{\circ}{A} \triangleleft \overset{\circ}{F} \overset{\circ}{A} \triangleleft \overset{\circ}{G} \overset{\circ}{A} \triangleleft \overset{\circ}{H} \overset{\circ}{A} \triangleleft \overset{\circ}{I} \overset{\circ}{A} \triangleleft \overset{\circ}{J} \overset{\circ}{A} \triangleleft \overset{\circ}{K} \overset{\circ}{A} \triangleleft \overset{\circ}{L} \overset{\circ}{A} \triangleleft \overset{\circ}{M} \overset{\circ}{A} \triangleleft \overset{\circ}{N} \overset{\circ}{A} \triangleleft \overset{\circ}{O} \overset{\circ}{A} \triangleleft \overset{\circ}{P} \overset{\circ}{A} \triangleleft \overset{\circ}{Q} \overset{\circ}{A} \triangleleft \overset{\circ}{R} \overset{\circ}{A} \triangleleft \overset{\circ}{S} \overset{\circ}{A} \triangleleft \overset{\circ}{T} \overset{\circ}{A} \triangleleft \overset{\circ}{U} \overset{\circ}{A} \triangleleft \overset{\circ}{V} \overset{\circ}{A} \triangleleft \overset{\circ}{W} \overset{\circ}{A} \triangleleft \overset{\circ}{X} \overset{\circ}{A} \triangleleft \overset{\circ}{Y} \overset{\circ}{A} \triangleleft \overset{\circ}{Z} \overset{\circ}{A} \triangleleft \overset{\circ}{A}$

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The sequence of diagrams illustrates the steps of a graph reduction algorithm. The diagrams show a graph with vertices and edges, with some vertices labeled with 'a' and 'b'. The steps involve adding and removing edges and vertices, and relabeling vertices.

$\frac{A}{\Delta} \triangle \frac{A}{\Delta} \sqcup \frac{A}{\Delta} \quad \frac{A}{\Delta} \frac{A}{\Delta} + \frac{A}{\Delta} \frac{A}{\Delta} \quad \frac{A}{\Delta} + \frac{A}{\Delta} \quad \frac{A}{\Delta} + \frac{A}{\Delta} \quad \frac{A}{\Delta} + \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} + \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} \triangle \frac{A}{\Delta} +$
 $\frac{A}{\Delta} \triangle \frac{A}{\Delta} \frac{A}{\Delta} \frac{A}{\Delta} \quad \frac{A}{\Delta} + \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} \frac{A}{\Delta} \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} \quad \frac{A}{\Delta} \triangle \frac{A}{\Delta} \frac{A}{\Delta} + \frac{A}{\Delta} \frac{A}{\Delta} \frac{A}{\Delta}$

The diagrams show the steps of the Euclidean algorithm for finding the GCD of 12 and 18. The steps are as follows:

- 18 divided by 12, remainder 6.
- 12 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.
- 0 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.
- 0 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.
- 0 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.
- 0 divided by 6, remainder 0.
- 6 divided by 0, remainder 6.
- 0 divided by 6, remainder 0.

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△ A ⊕ ⊕ A ⊗ △ A A ⊗ ⊕ A ⊗ 4 A △ A △ 4 A ⊕ ⊕ A

















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