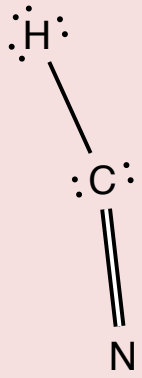
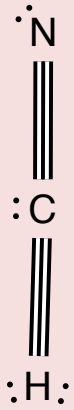
Choose the correct Lewis structure for HCN.

1

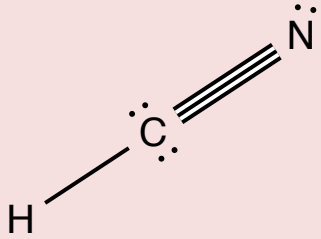


2

3

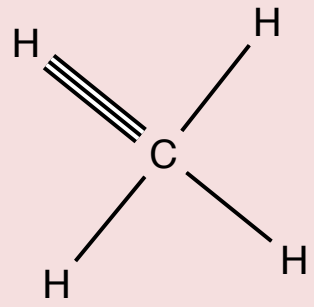


4

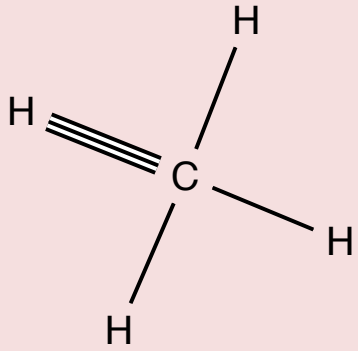


Choose the correct Lewis structure for $\mathrm{CH_4}$.

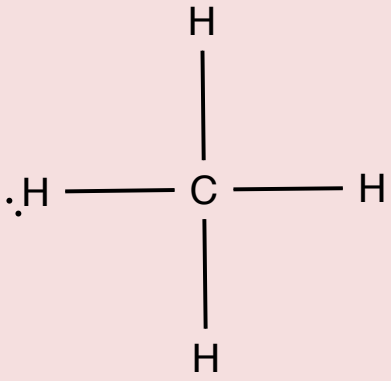
1



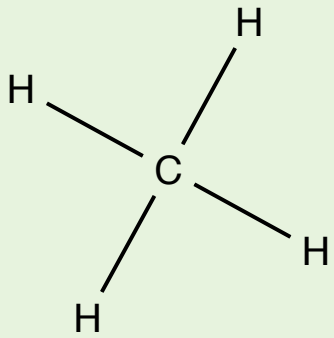
2



3

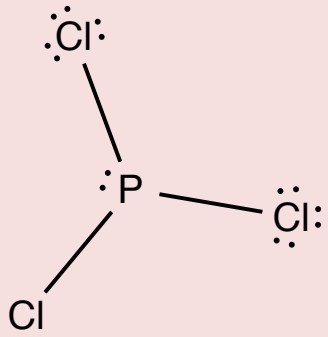


4

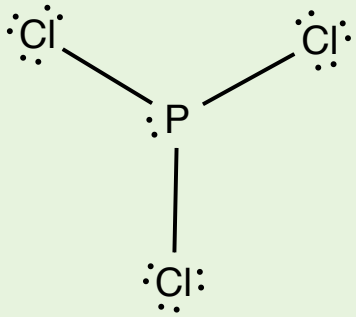


Choose the correct Lewis structure for $\mathrm{PCl_3}$.

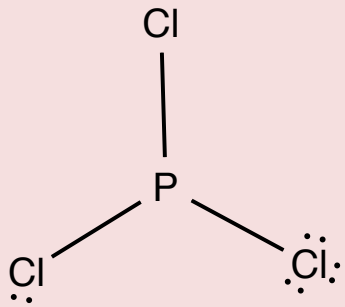
1



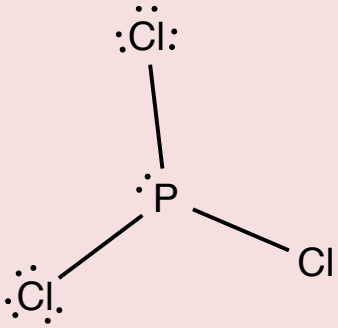
2



3

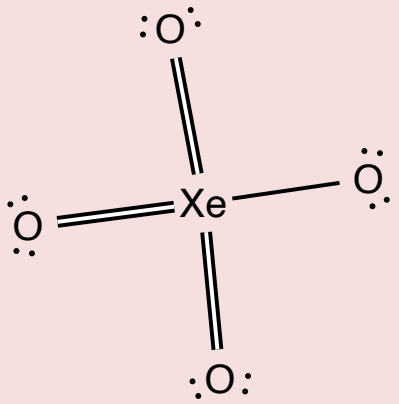


4

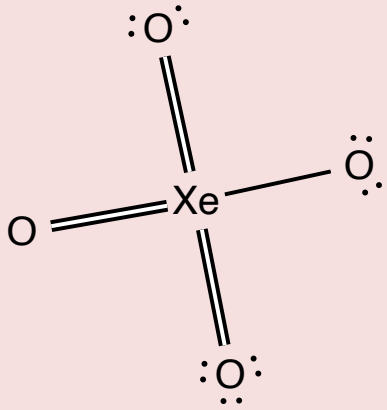


Choose the correct Lewis structure for $\mathrm{XeO_4}$.

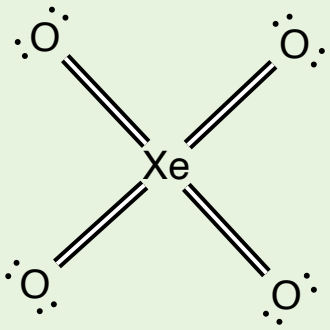
1



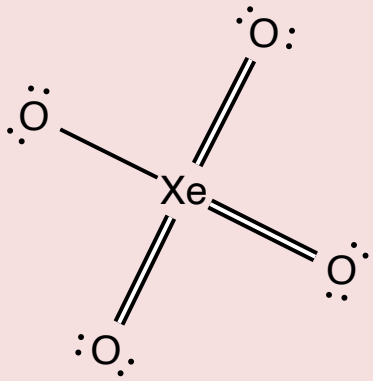
2



3

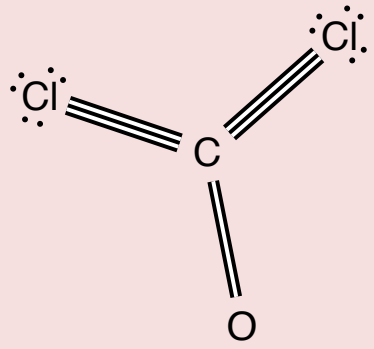


4

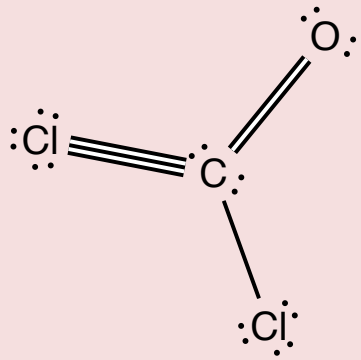


Choose the correct Lewis structure for $\mathrm{COCl_2}$.

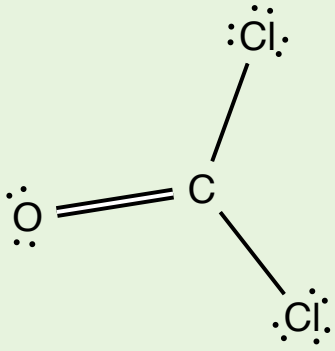
1



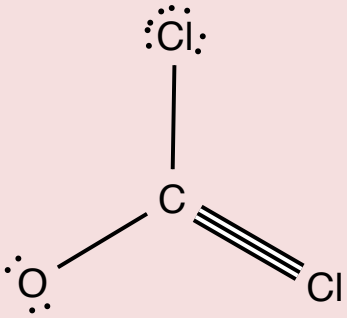
2



3



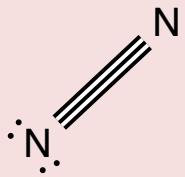
4



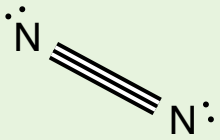
Choose the correct Lewis structure for $\mathrm{N_2}$.

1

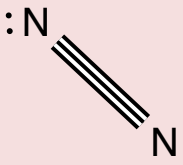
2



3

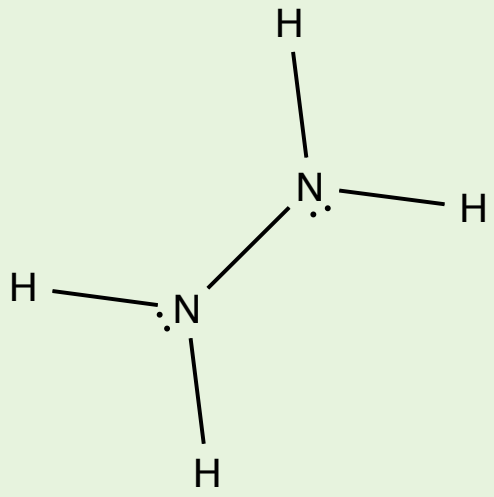


4

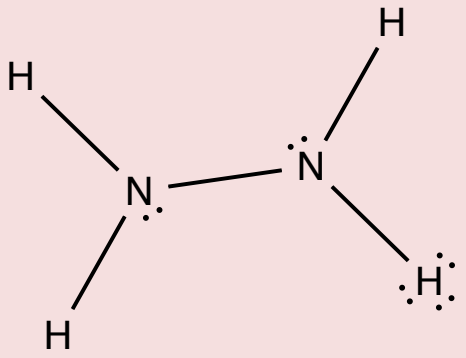


Choose the correct Lewis structure for $\mathrm{N_2H_4}$.

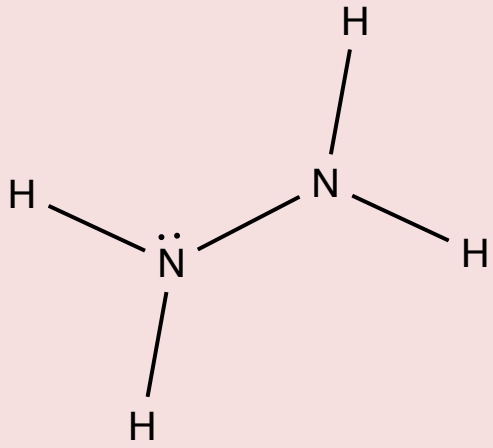
1



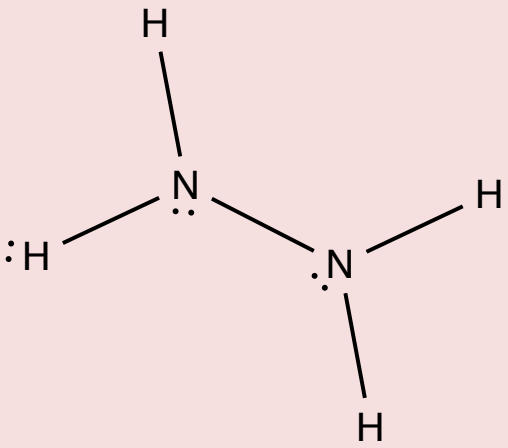
2



3

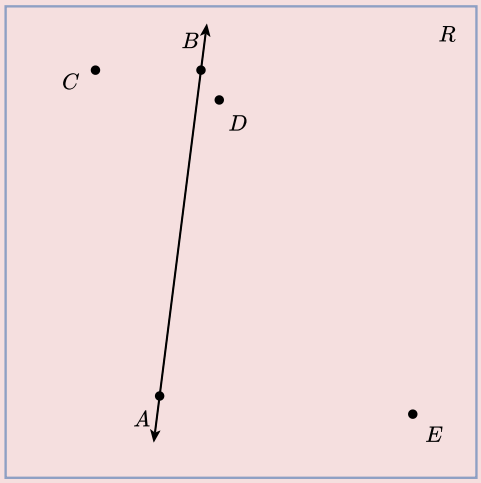


4

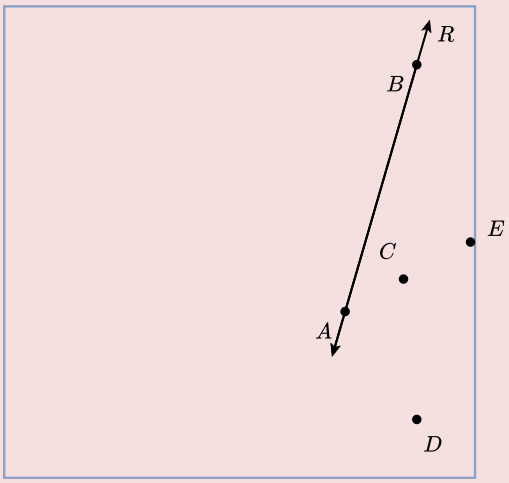


In which of the following diagrams are points B, D, E collinear?

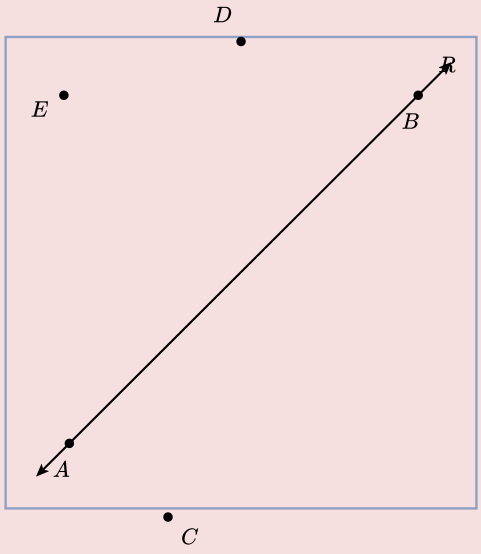
1



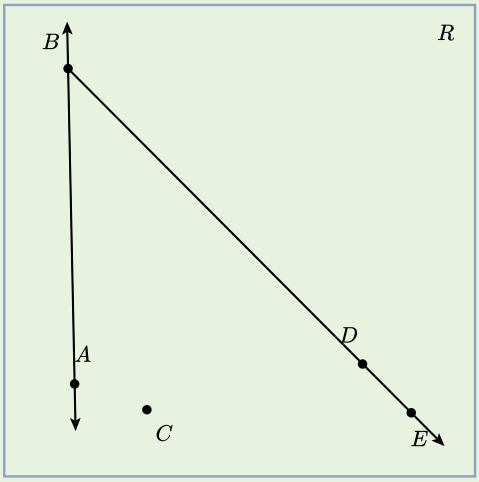
2



3

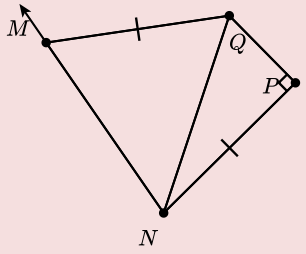


4

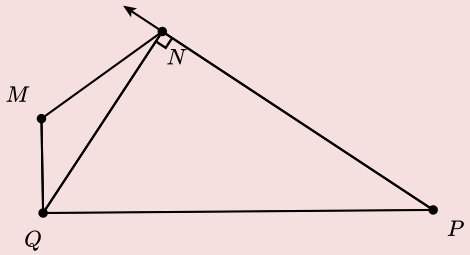


Which of the following diagrams contains exactly 2 pairs of complementary angles?

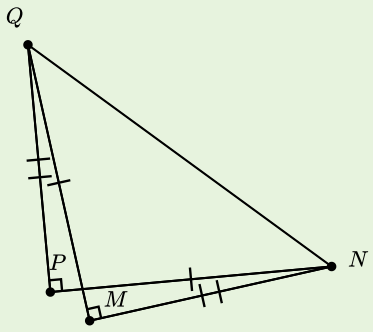
1



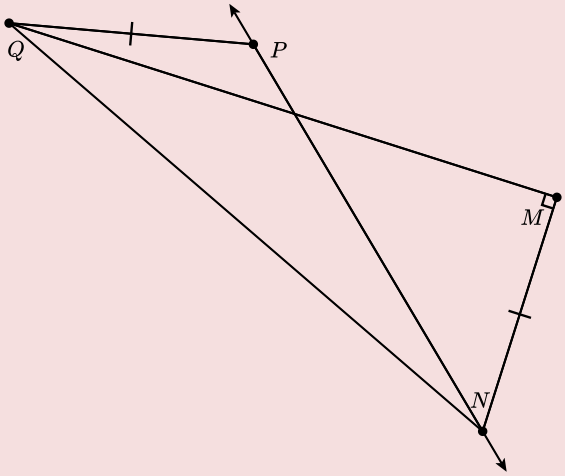
2



3

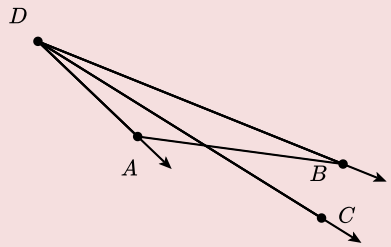


4

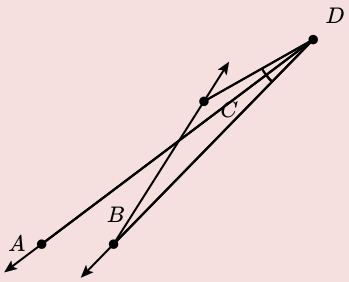


In which of the following diagrams is the statement $\angle ADC = 2(m\angle ADB)$ true?

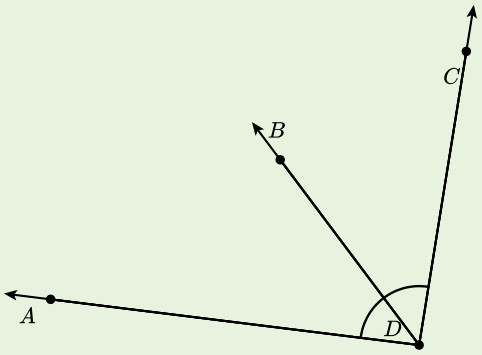
1



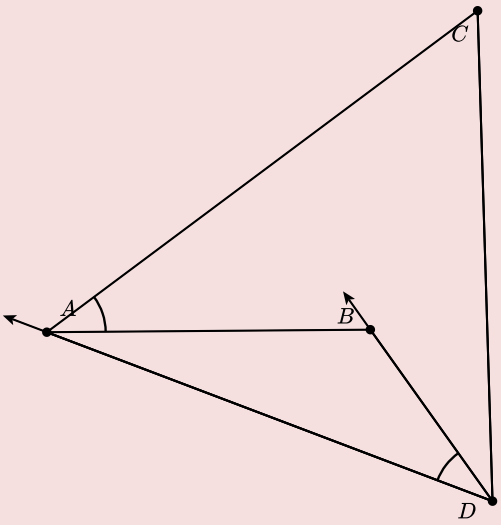
2



3

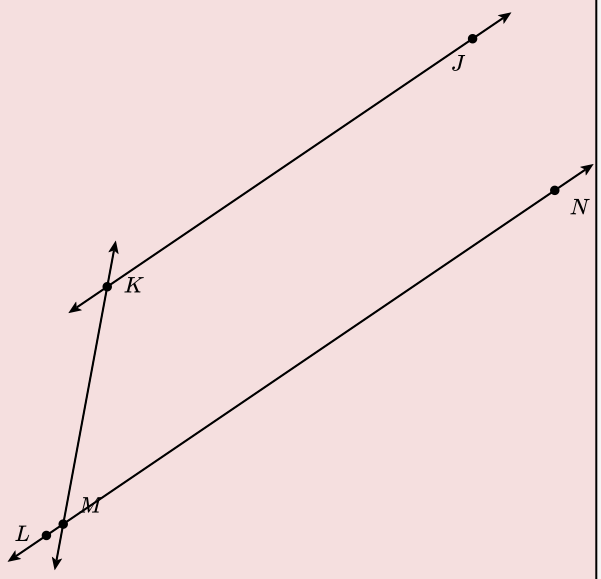


4

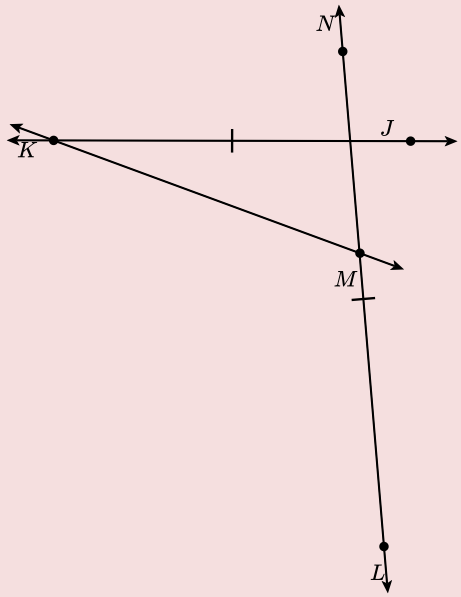


Which diagram illustrates $\angle JKM$ and $\angle KML$ as alternate interior angles?

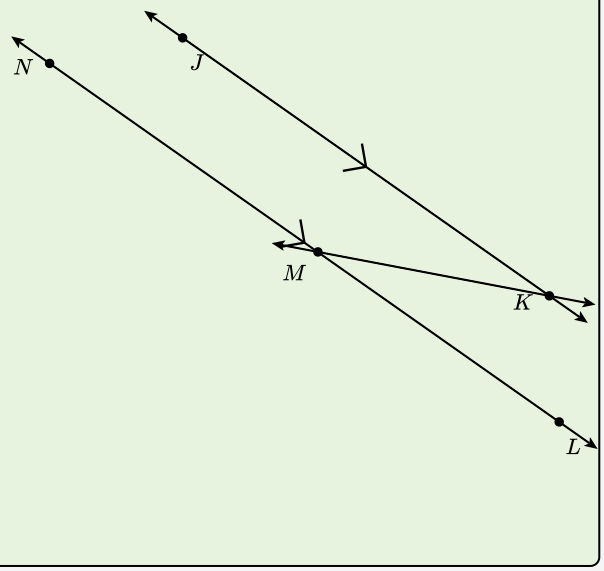
1



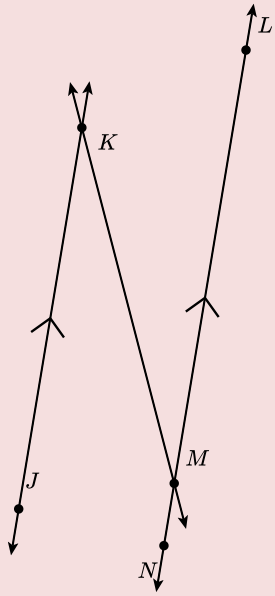
2



3

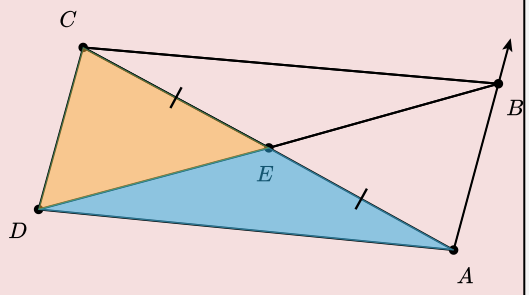


4

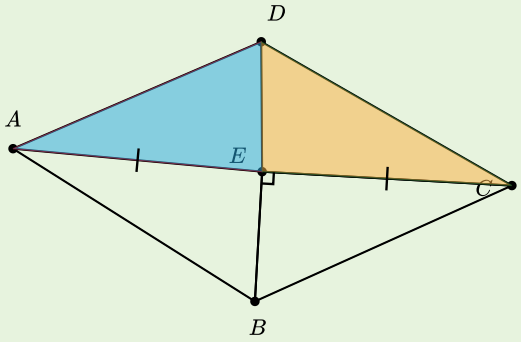


In which of the following diagrams are triangles $\triangle DEC$ an $\triangle DEA$ congruent?

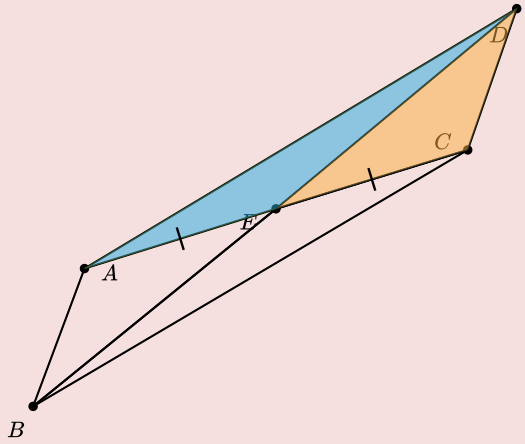
1



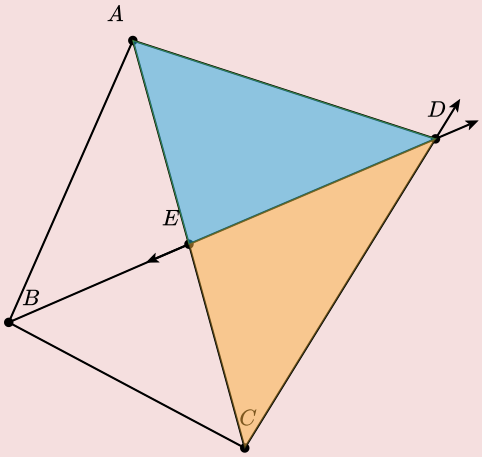
2



3

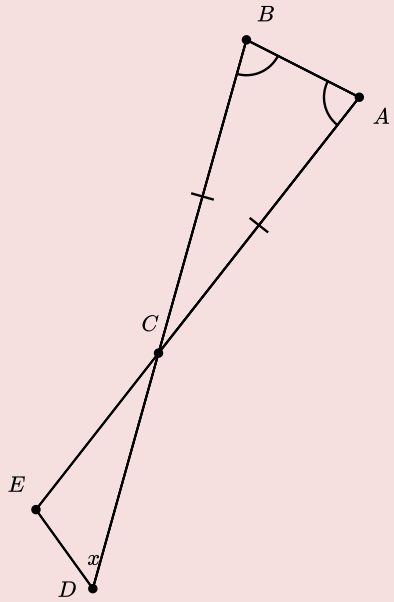


4

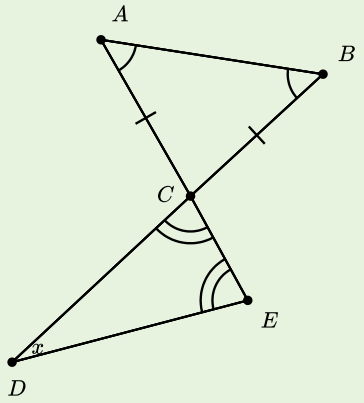


In which of these diagrams, can you find the value of $\angle BCE$ given the value of x?

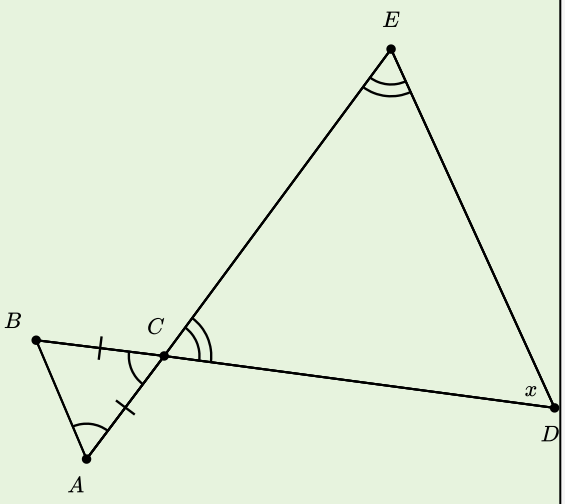
1



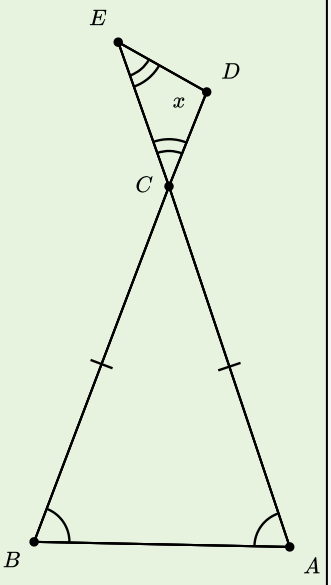
2



3

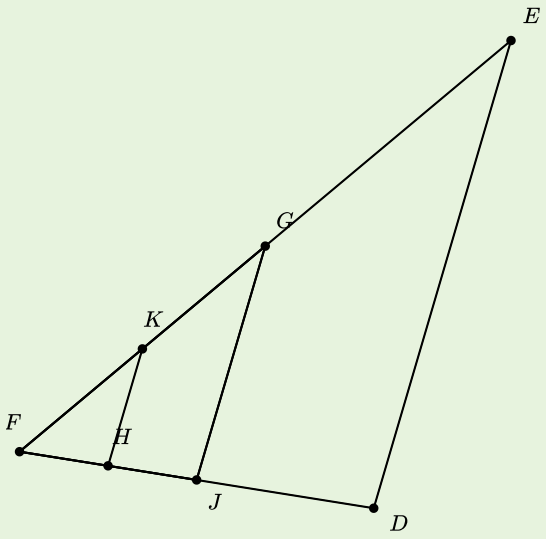


4

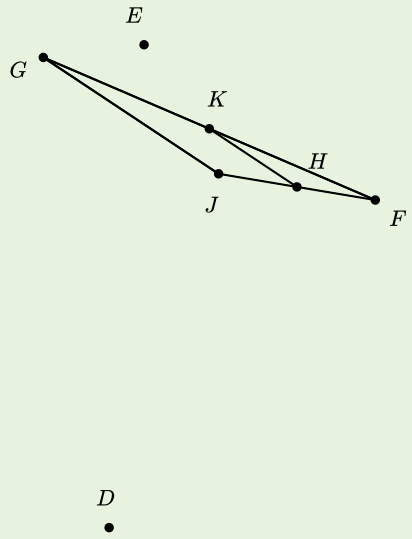


Which diagram shows that HK is a midsegment of $\triangle GJF$?

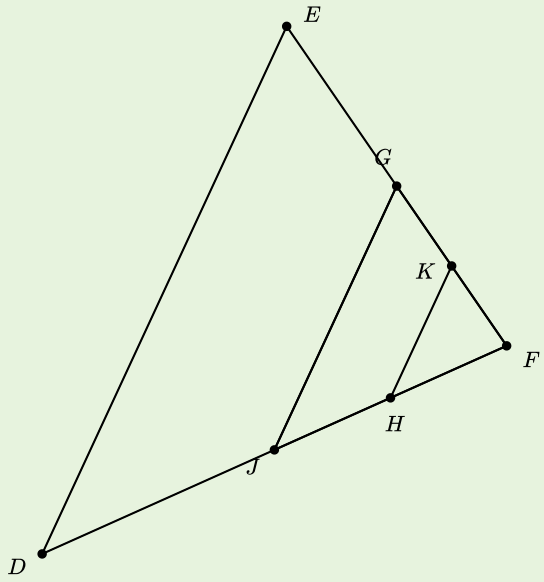
1



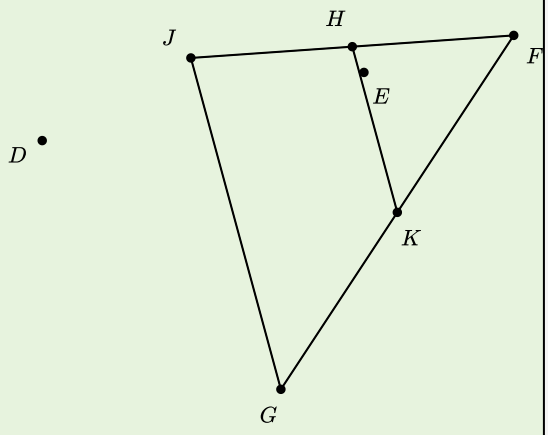
2



3

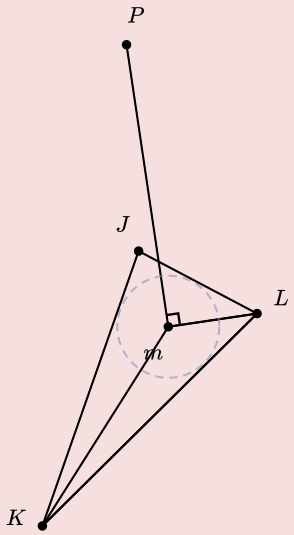


4

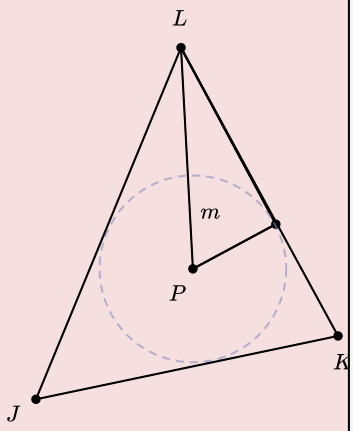


Which diagram shows P as the incenter of $\triangle JKL$?

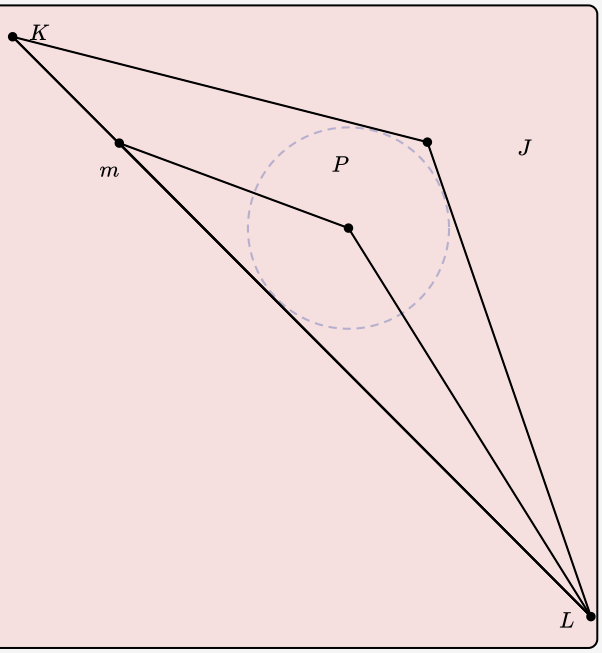
1



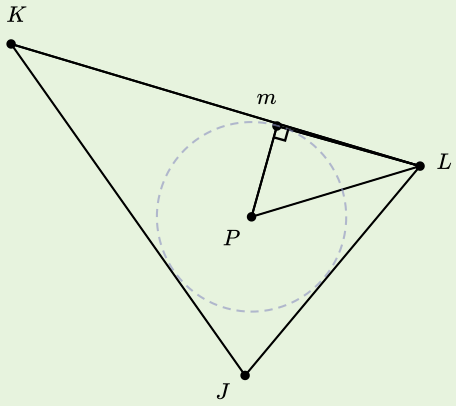
2



3

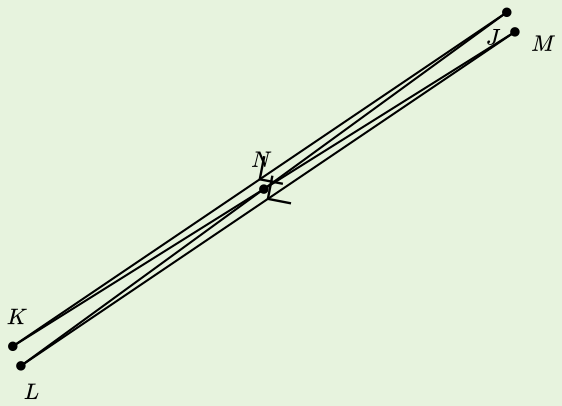


4

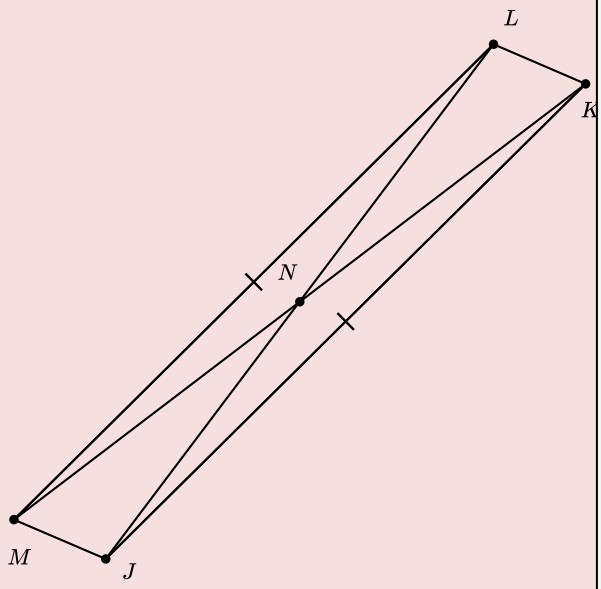


Which of the following diagrams shows that $JKLM$ is a parallelogram?

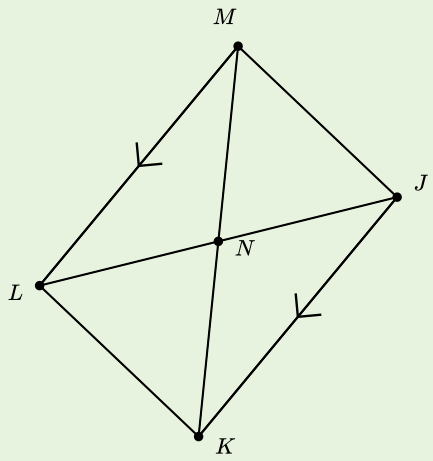
1



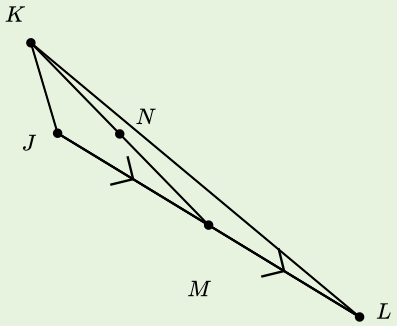
2



3

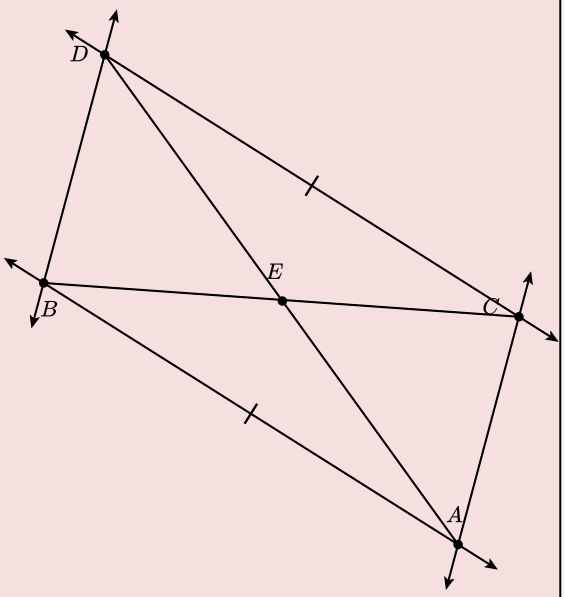


4

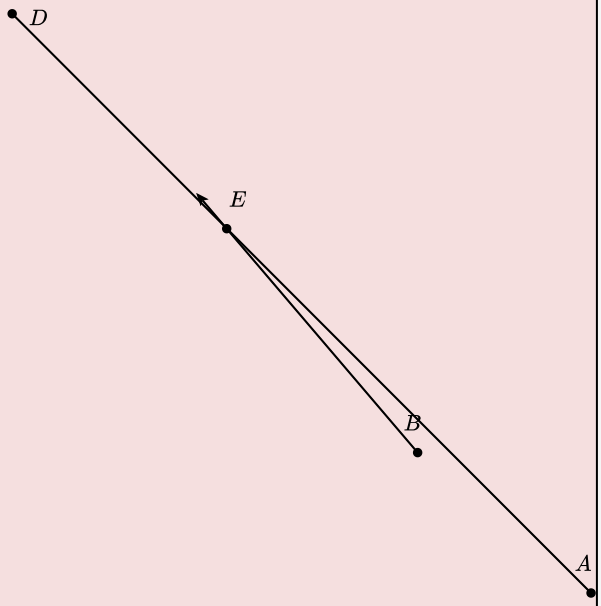


In which of the following diagrams is $ABCD$ a parallelogram?

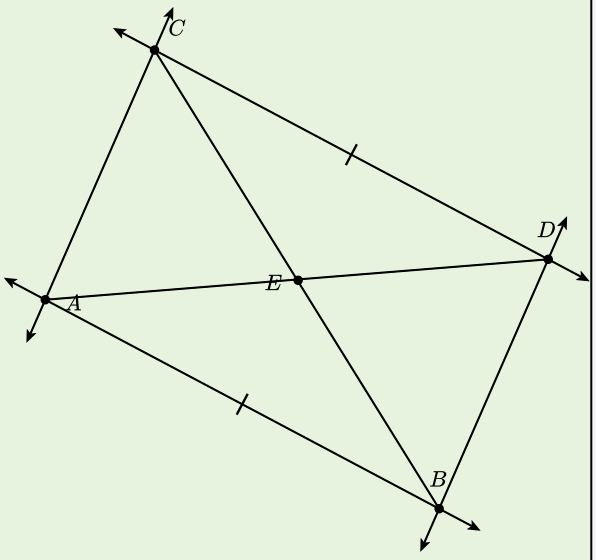
1



2



3



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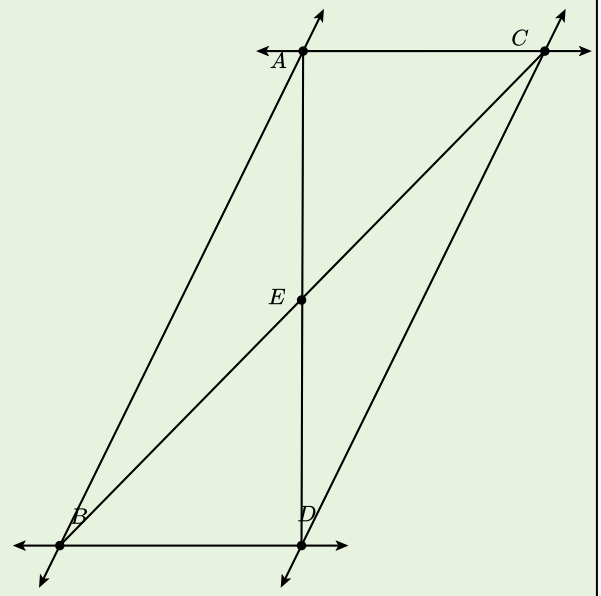
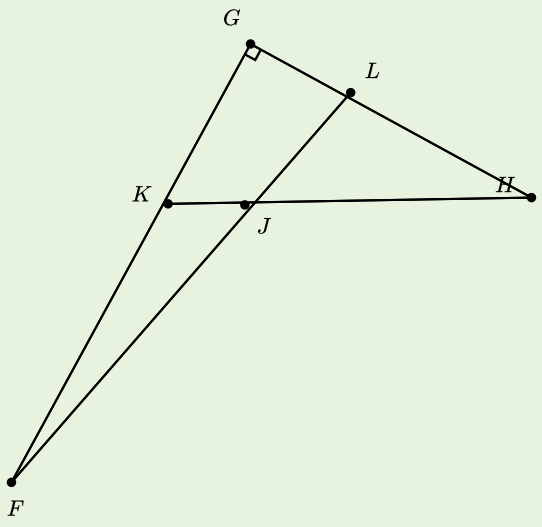
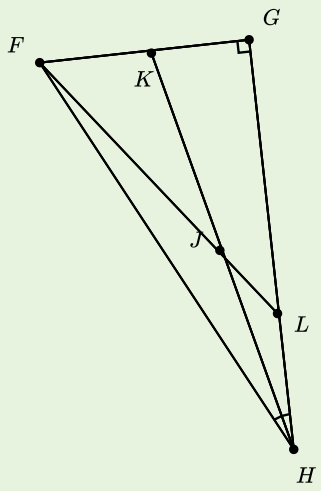


In which of the following diagrams is G the orthocenter of $\triangle FGH$?

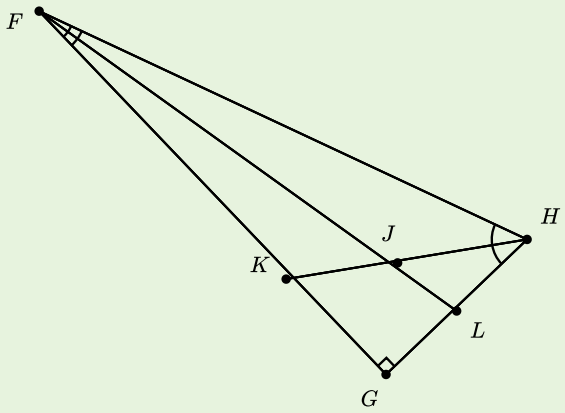
1



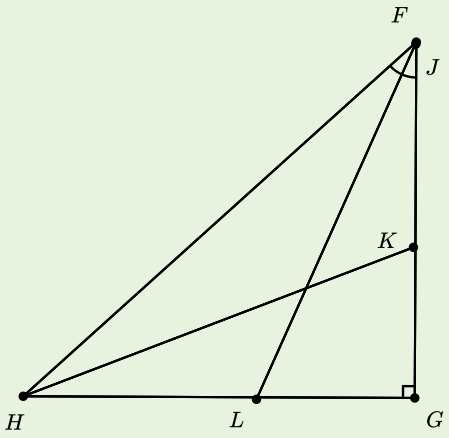
2



3

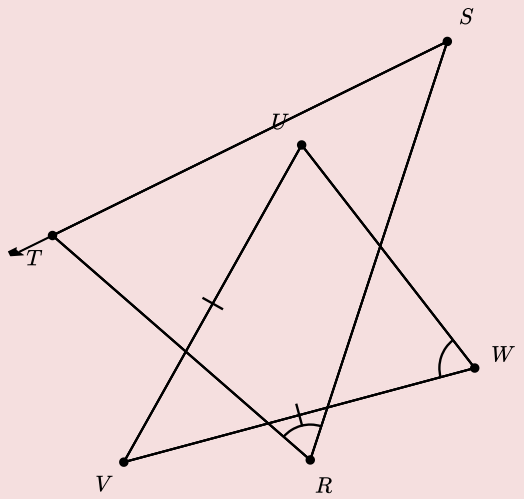


4

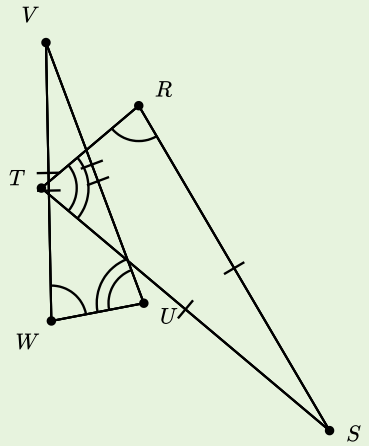


In which of the following diagrams are the two triangles similar?

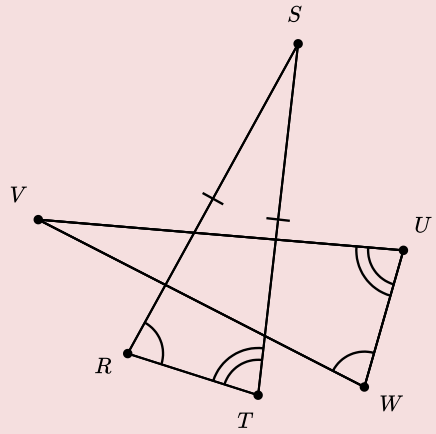
1



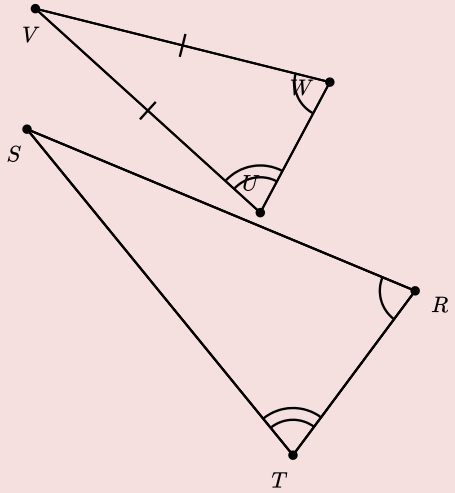
2



3

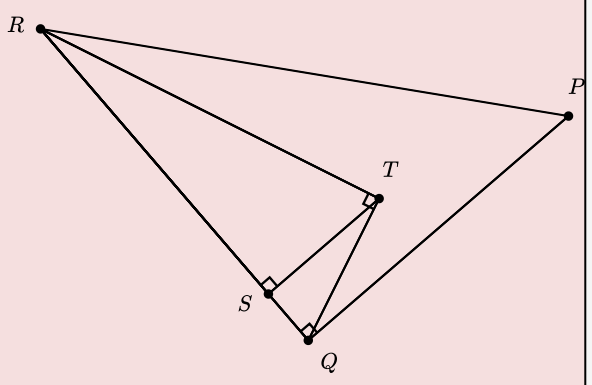


4

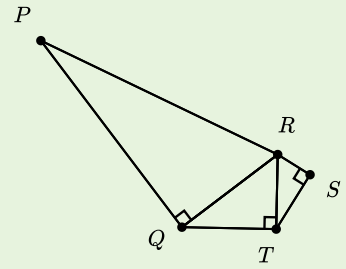


In which of the following diagrams is $\triangle PQR$ similar to $\triangle TSR$?

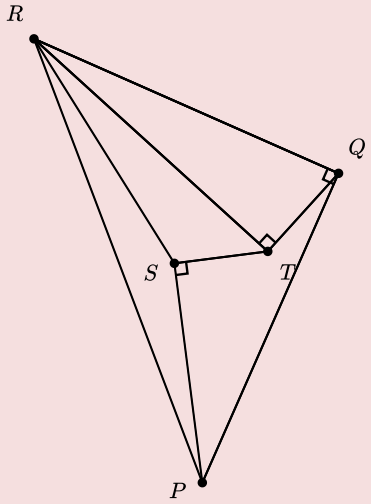
1



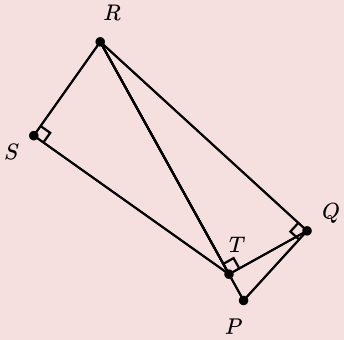
2



3

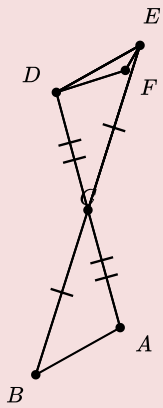


4

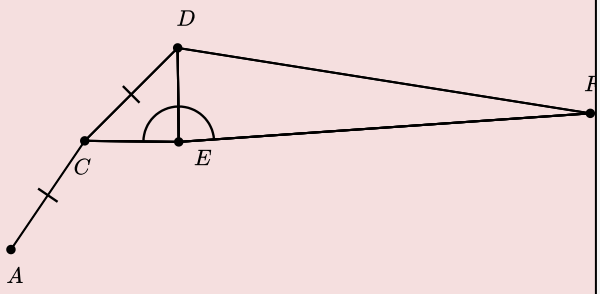


In which of the following diagrams is $\triangle DEF$ congruent to $\triangle ABC$?

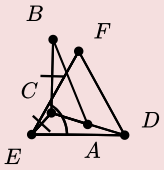
1



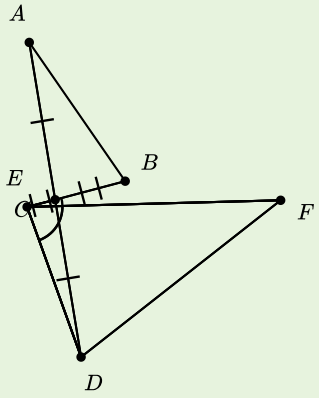
2



3

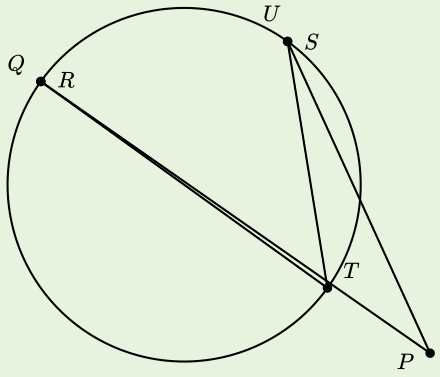


4

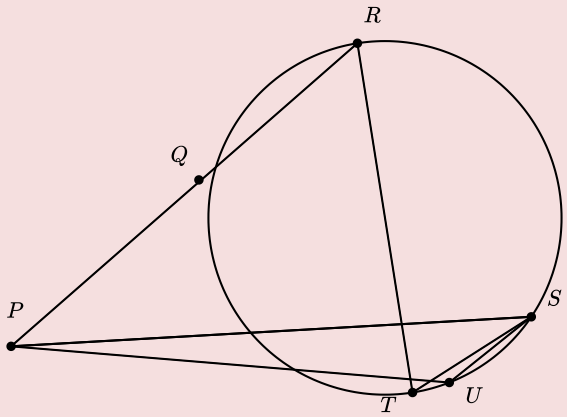


Which of the following diagrams is the length of PS represented by $\frac{PQ \times PR}{PU}$?

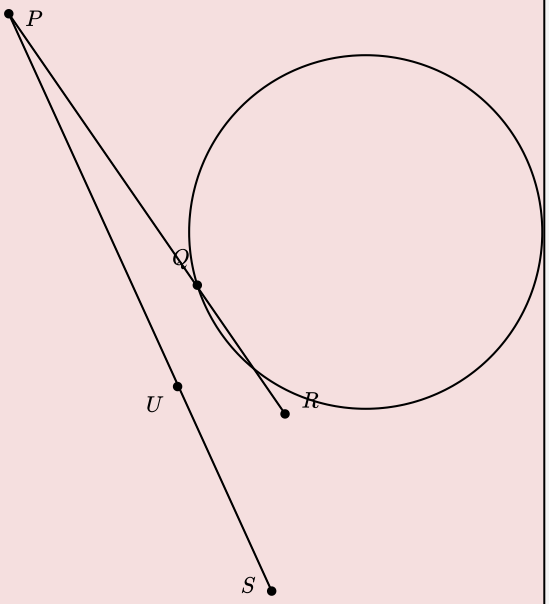
1



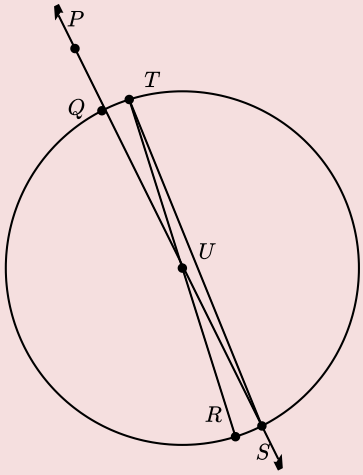
2



3

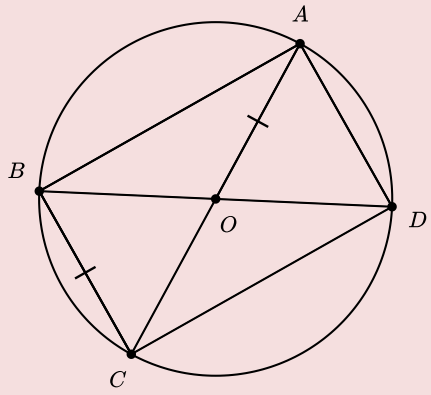


4

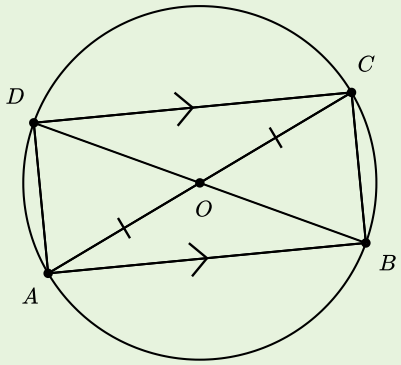


In which of the following diagrams are $AD = BC$?

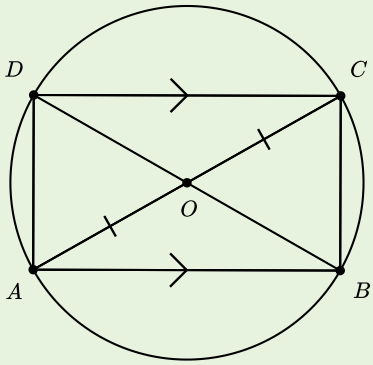
1



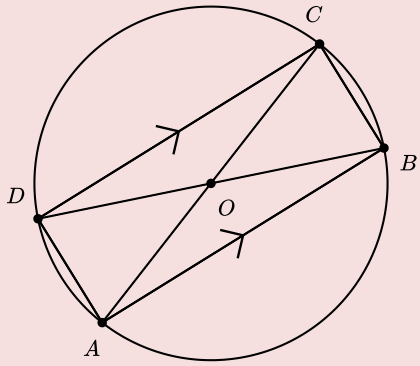
2



3

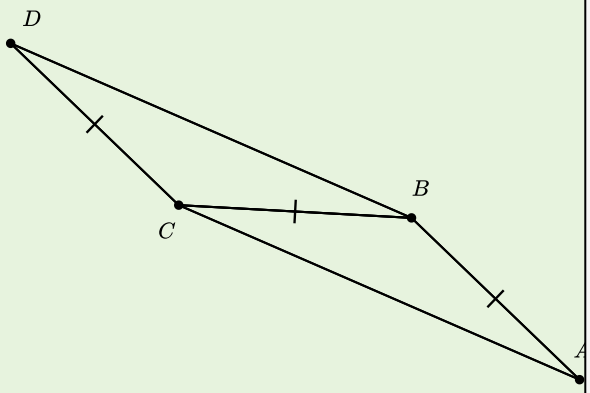


4

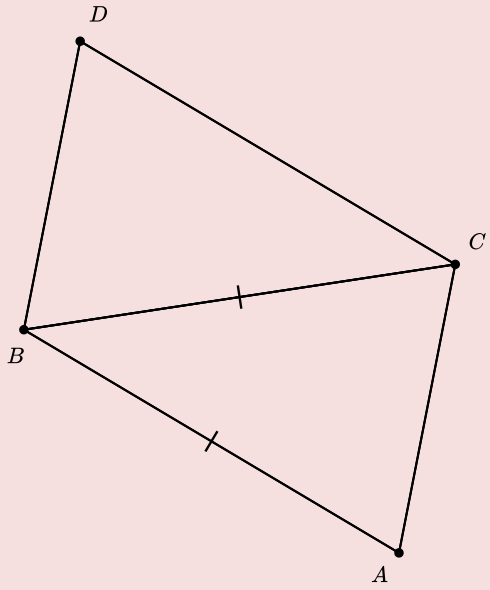


In which of the following diagrams is $\triangle ABC$ congruent to $\triangle BCD$?

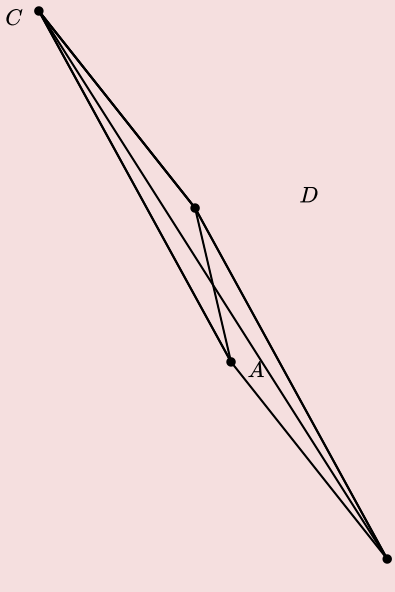
1



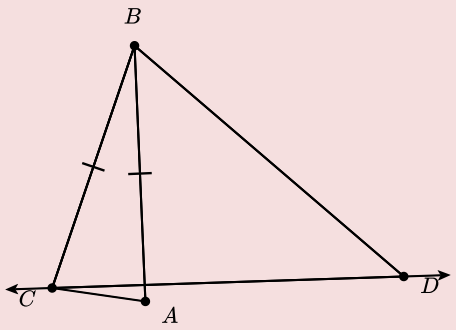
2



3

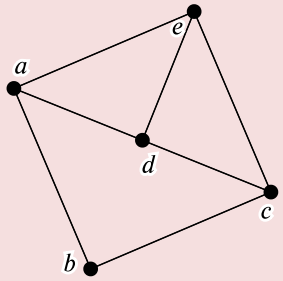


4

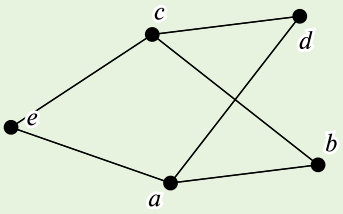


Which of the following diagrams are bipartite graphs?

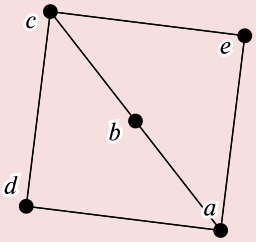
1



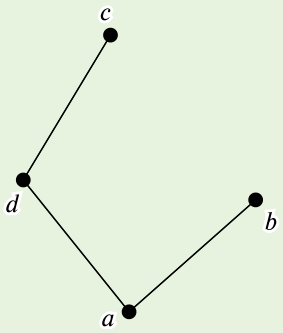
2



3

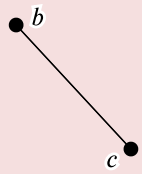


4

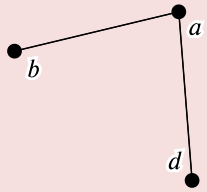


Which of the following diagrams are self-complementary graphs?

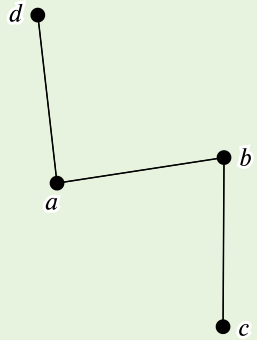
1



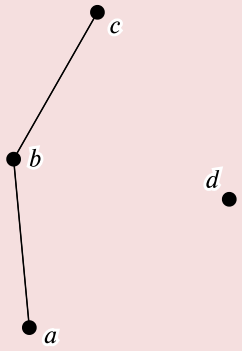
2



3

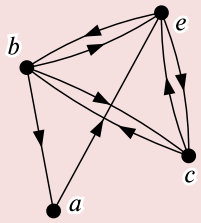


4

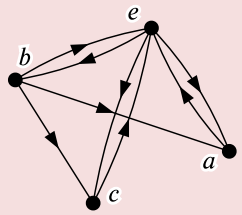


Which diagram has an Euler circuit?

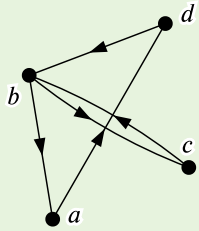
1



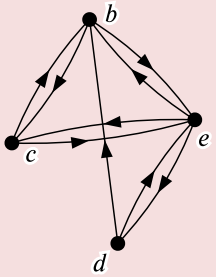
2



3

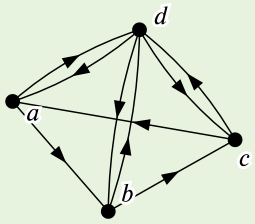


4

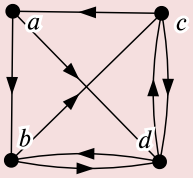


Which diagram has an Euler circuit?

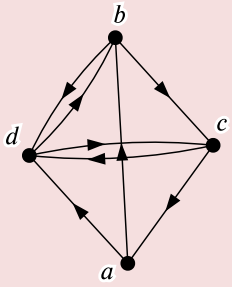
1



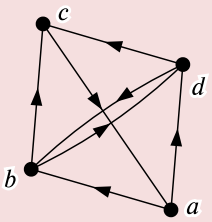
2



3

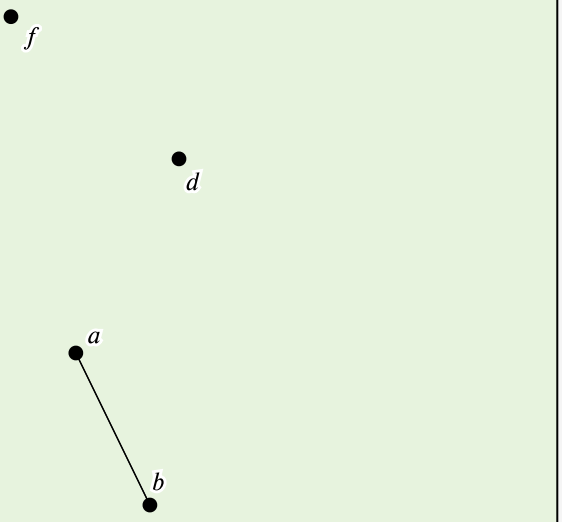


4

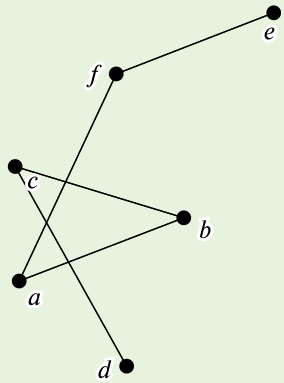


Which of the following diagrams are bipartite graphs?

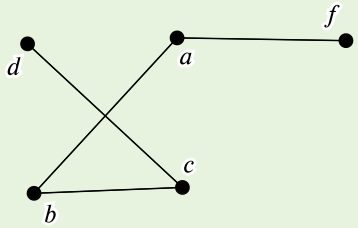
1



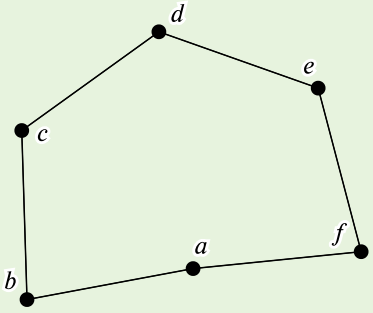
2



3

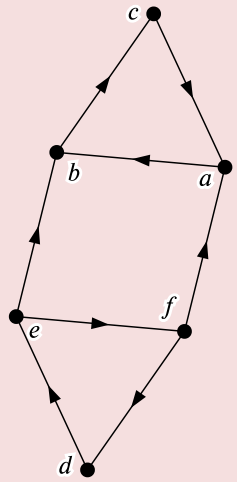


4

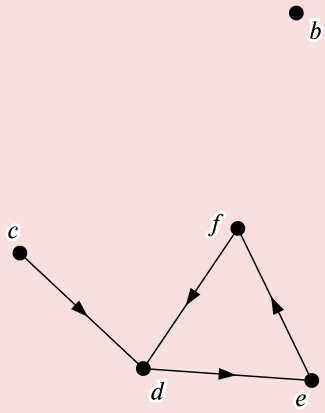


Which of the following diagrams are strongly connected graphs?

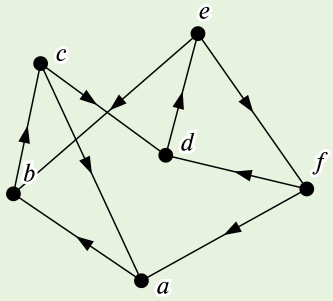
1



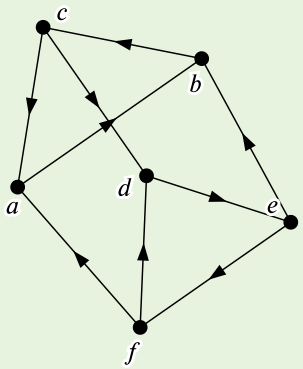
2



3

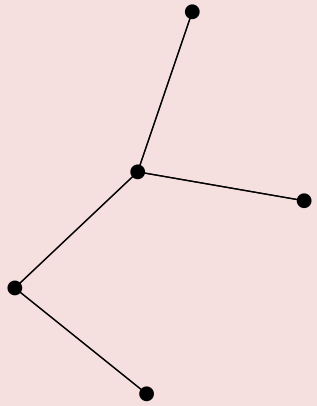


4

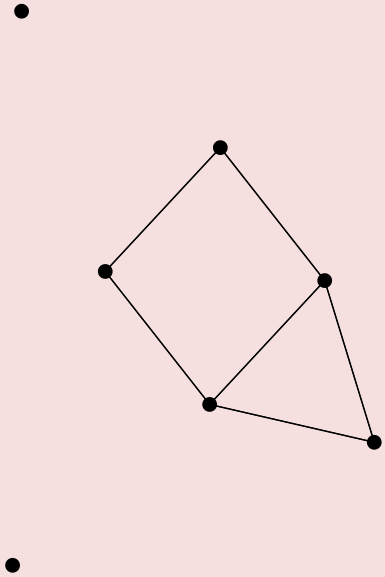


Which diagram has a Hamilton circuit?

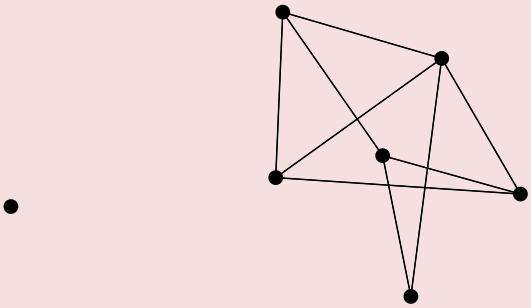
1



2



3



4