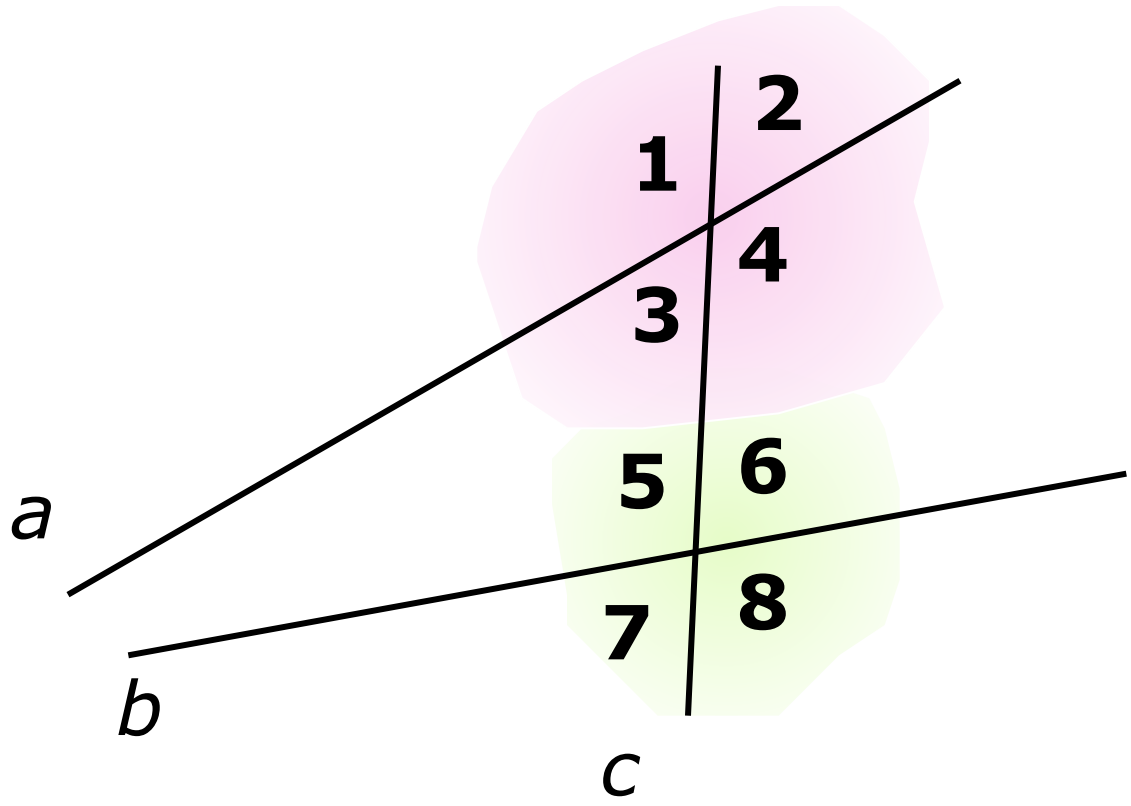
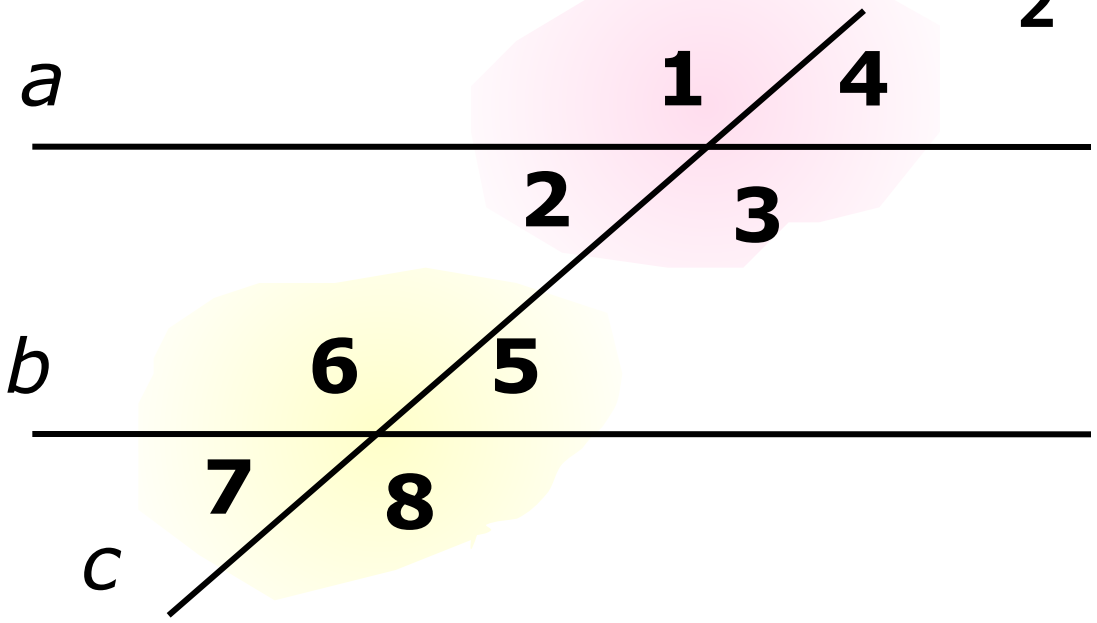
Задачи на готовых чертежах

Задача 1



Назовите односторонние, накрест лежащие, соответственные углы.

Задача 2



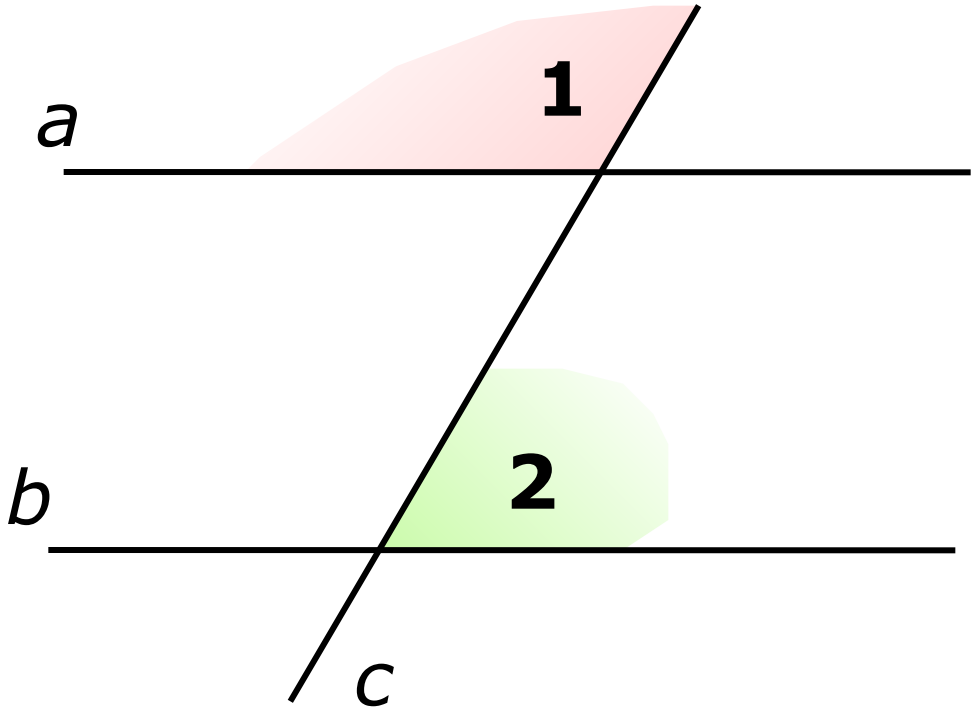
a ∥ *b*, *c*-секущая

$\angle 1 = 58^0$

Найти: $\angle 2, \angle 3, \angle 4,$

$\angle 5, \angle 6, \angle 7, \angle 8$

Задача 3



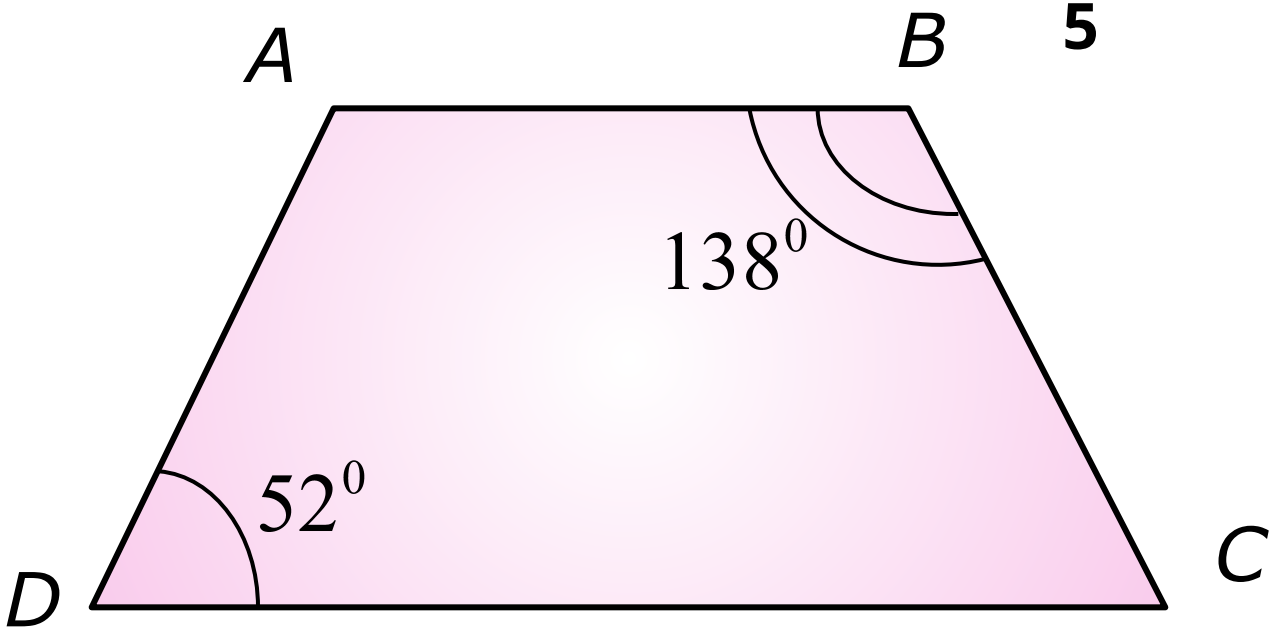
a ll *b*, *c*-секущая

$\angle 1 : \angle 2 = 7 : 2$

Найти $\angle 1, \angle 2$

:

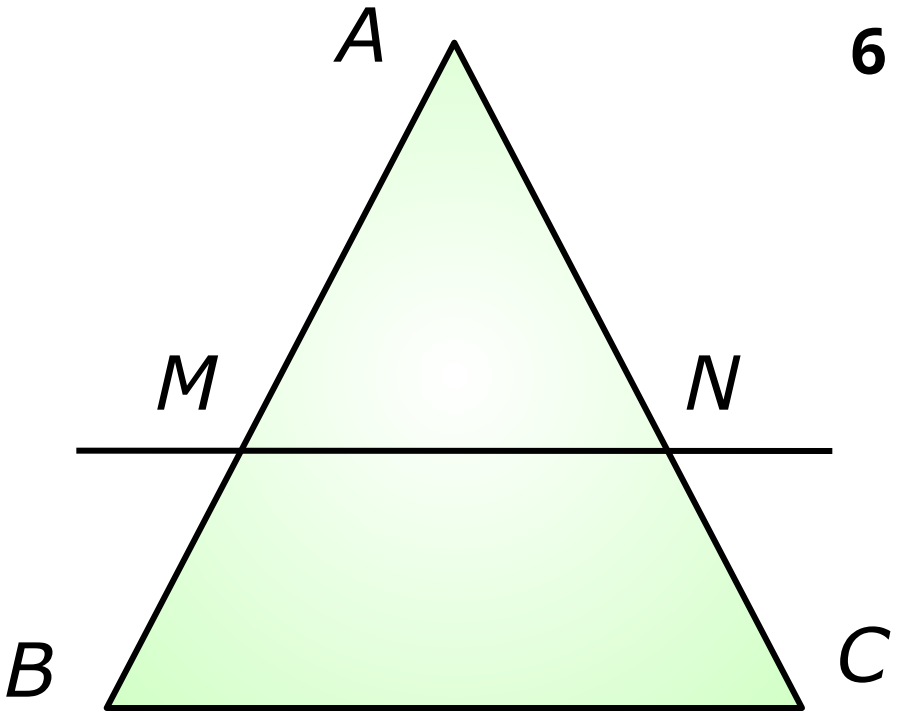
Задача 5



$AB \parallel DC$

Найти: $\angle A; \angle C$

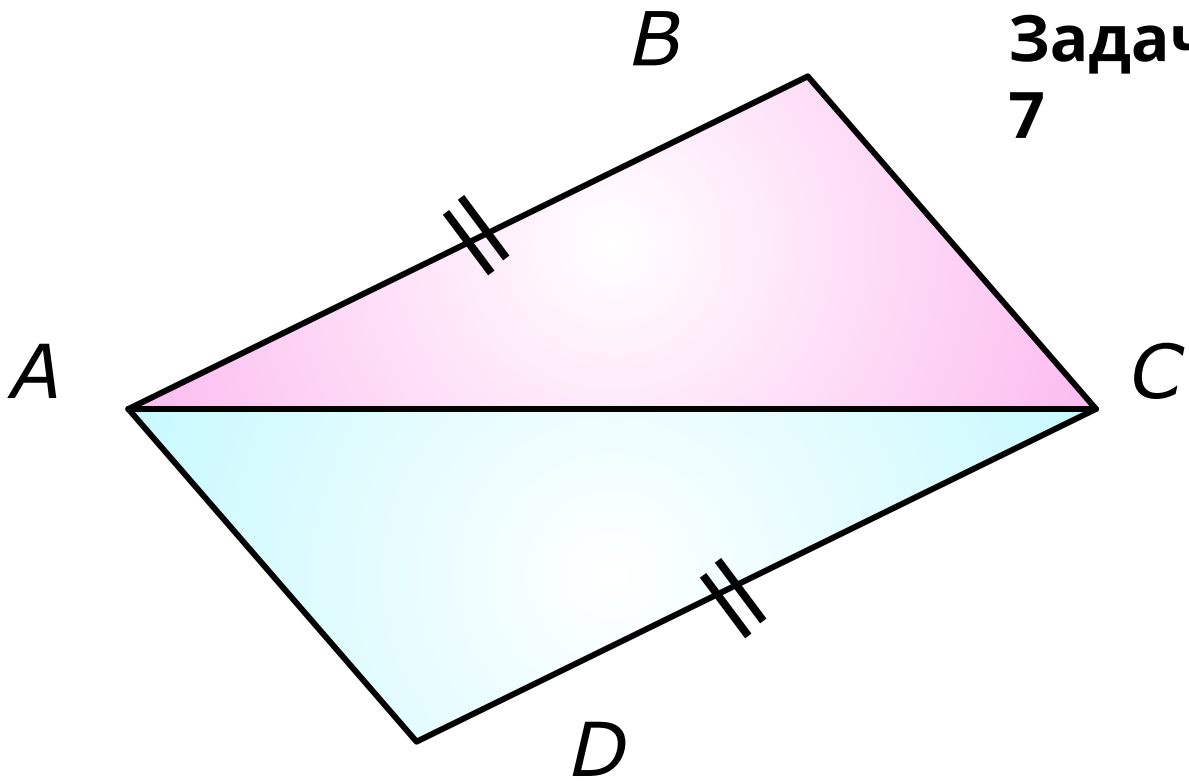
Задача 6



Δ ABC-равнобедренный,
MN || BC

Доказать:
Δ MAN-равнобедренный,

Задача 7

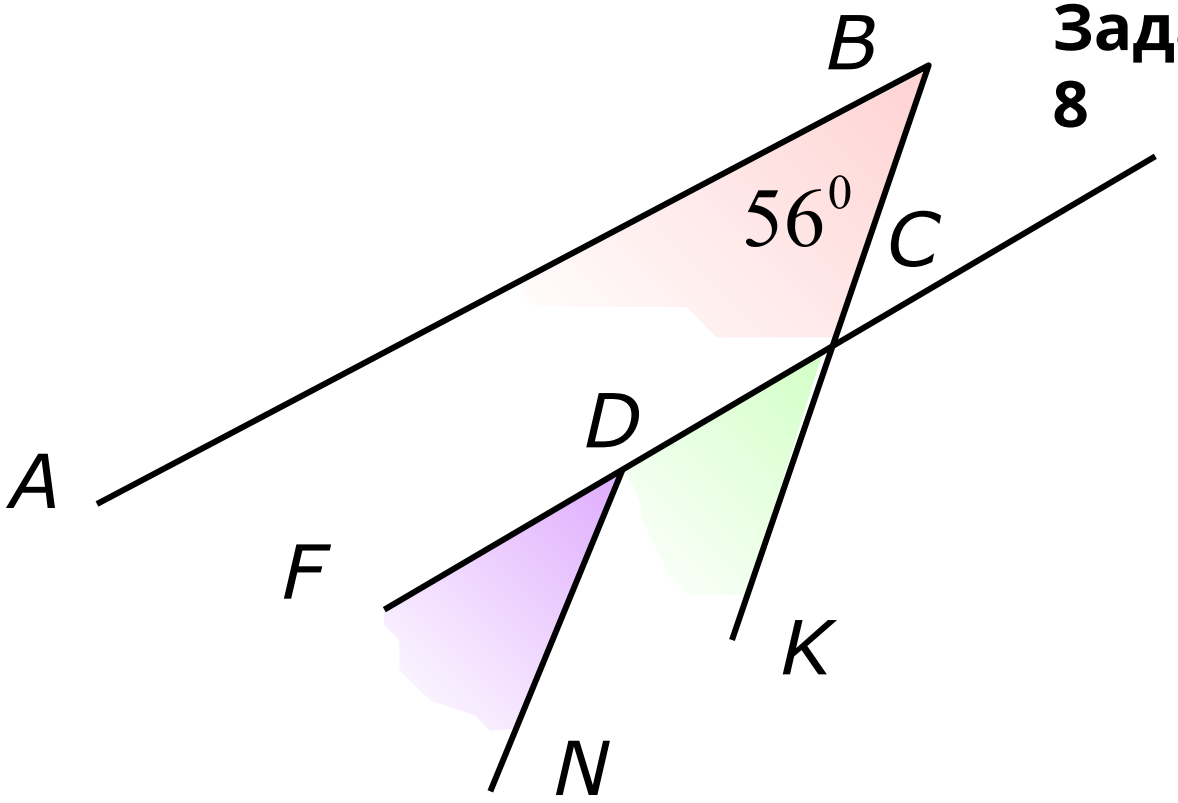


AB || *DC*; *AB* = *DC*

BC=10*см*

Найти: *AD*

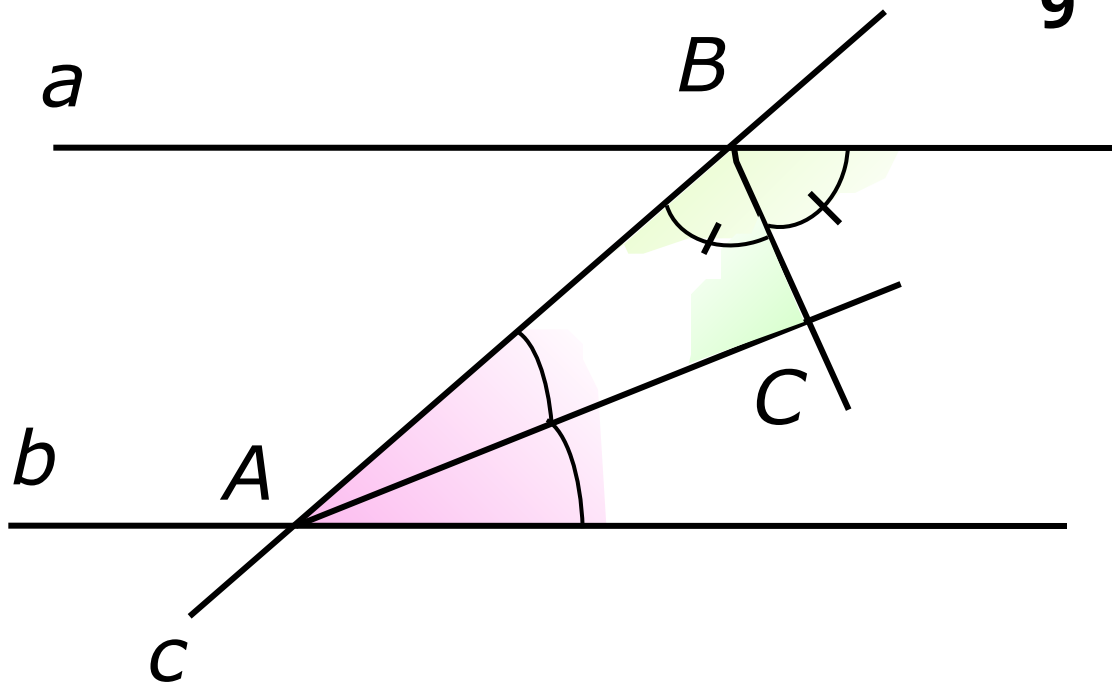
Задача 8



$AB \parallel DC$, $BC \parallel DN$

Найти: $\angle FDN$

Задача 9

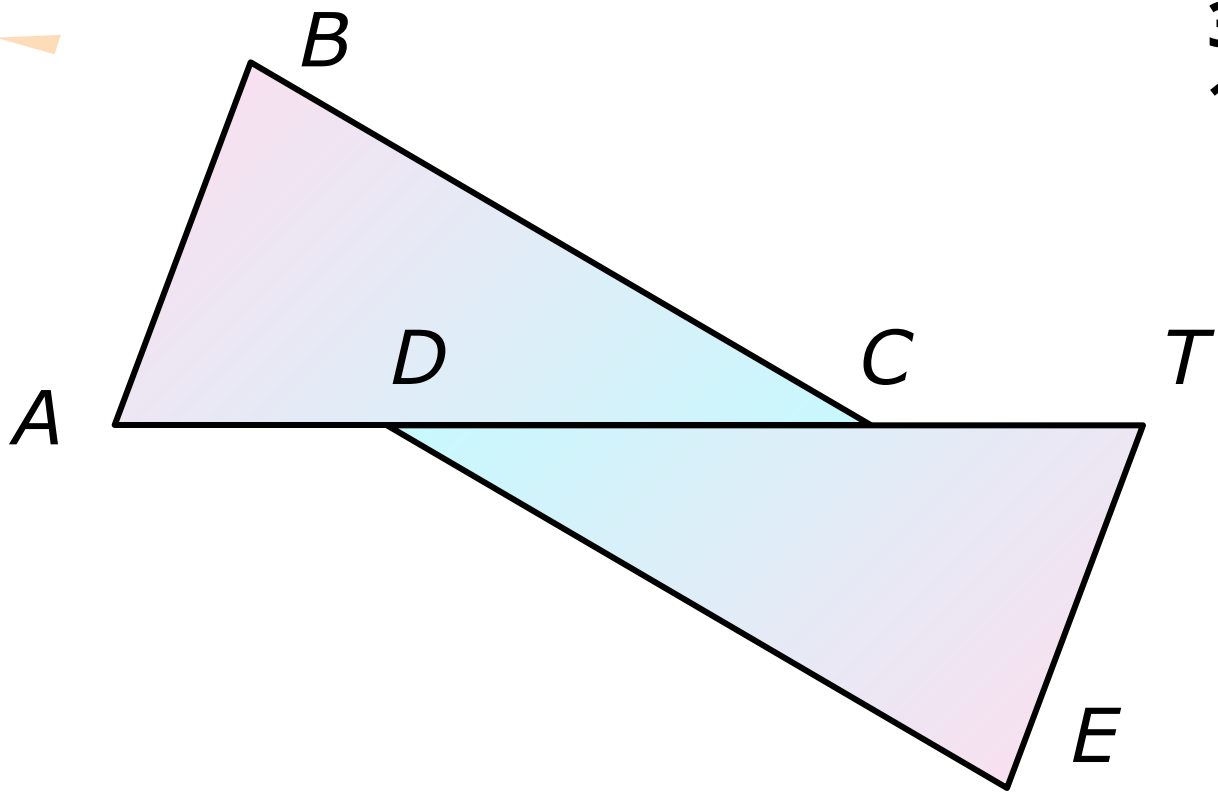


a ll *b*, *c*-секущая

AC и *BC*- биссектрисы

Найти:$\angle \grave{A}\tilde{N}\hat{A}$

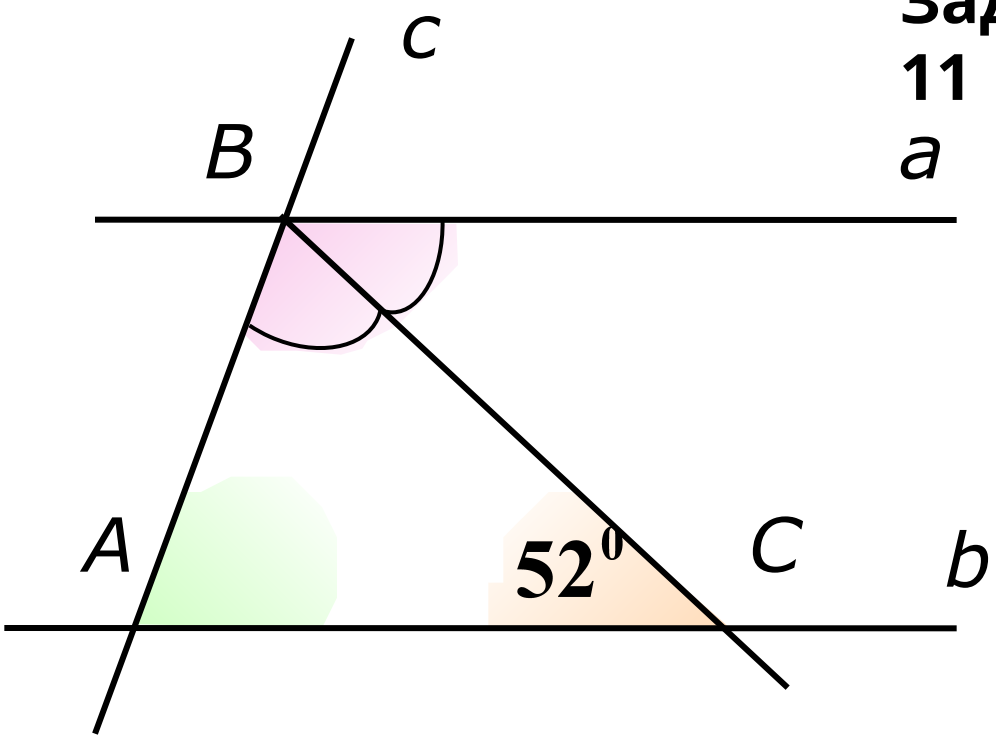
Задача 10



$AB \parallel TE$, $BC \parallel DE$

Найти условия, при которых
Δ ABC равен Δ DTE

Задача 11

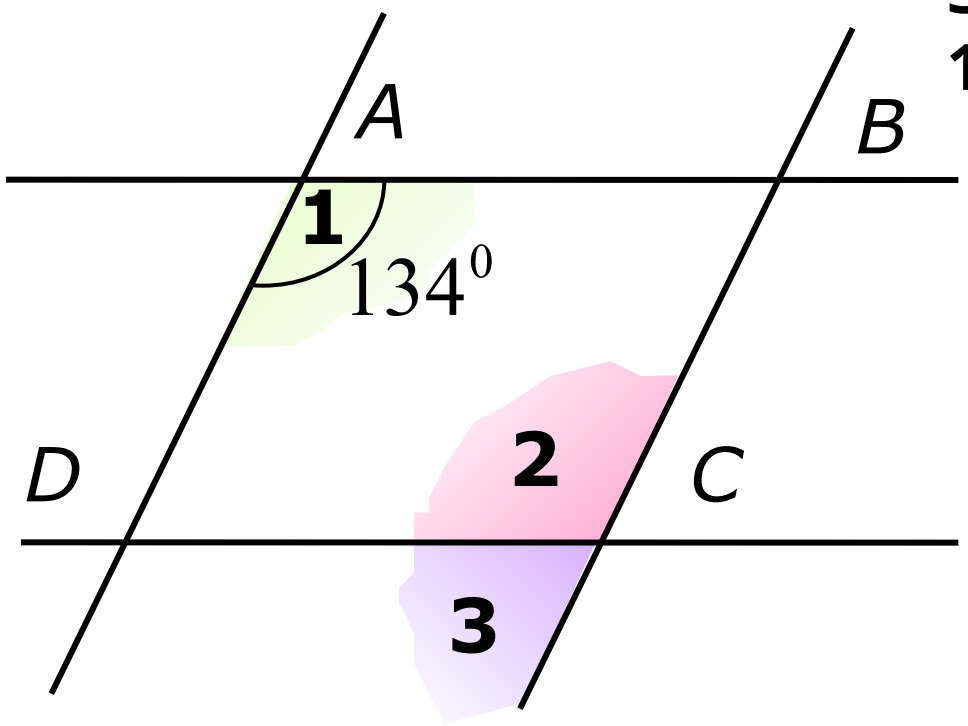


a || *b*, *BC*- *биссектриса*

$\angle \hat{A}\tilde{N}\grave{A} = 52^0$

Найти: $\angle \hat{A}\grave{A}\tilde{N}$

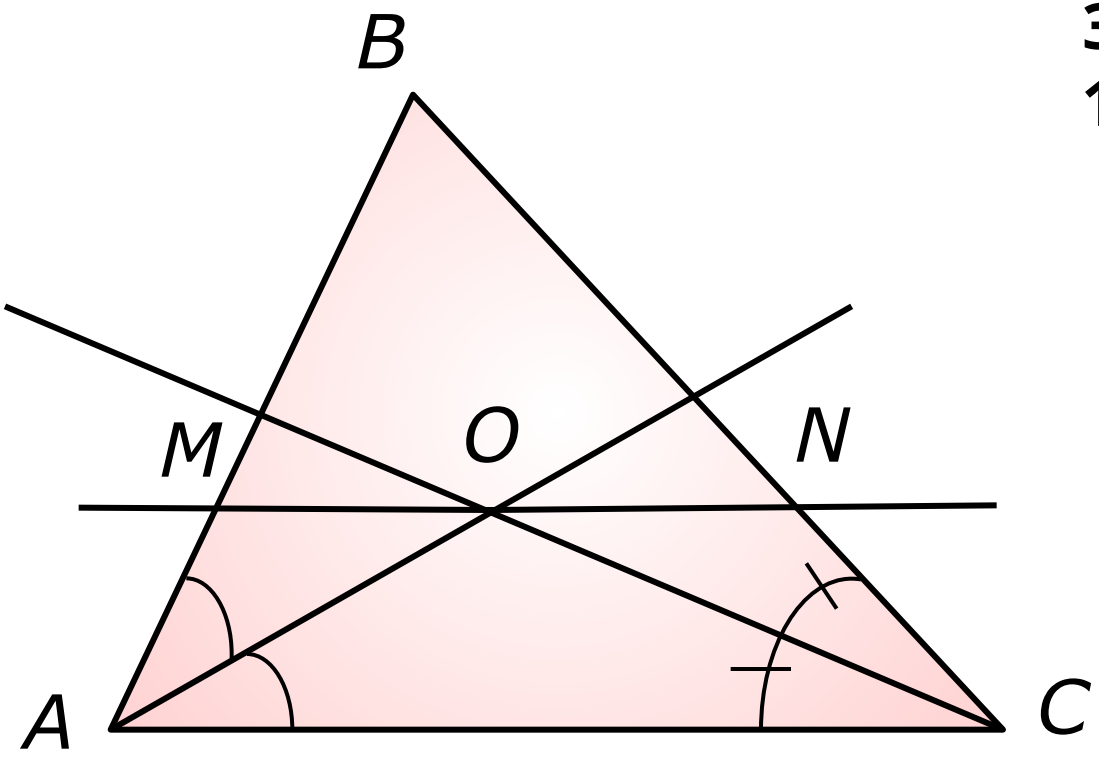
Задача 12



$AB \parallel DC$, $BC \parallel AD$

Найти: $\angle 2, \angle 3$

Задача 13

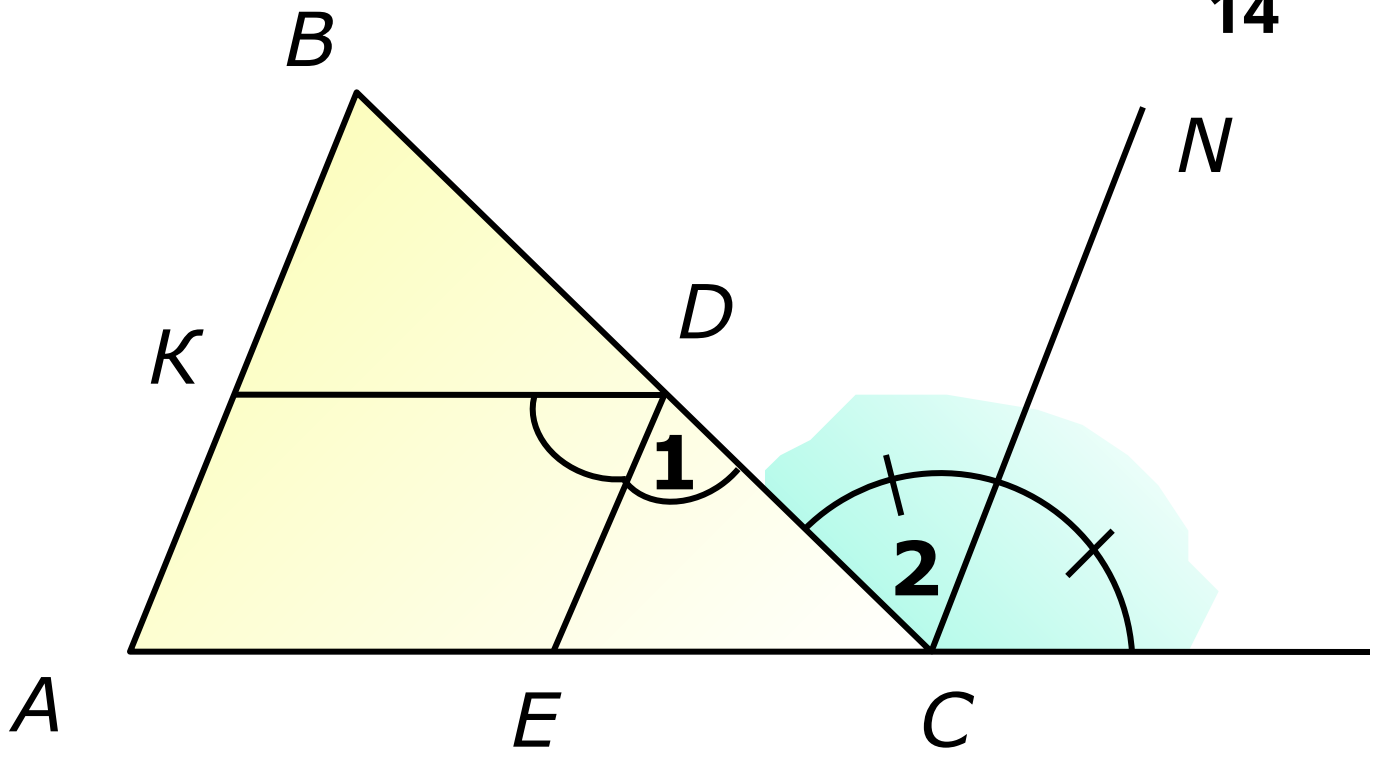


$MN \parallel AC$

AO и CO- биссектрисы

Доказать: $MN=AM+CN$

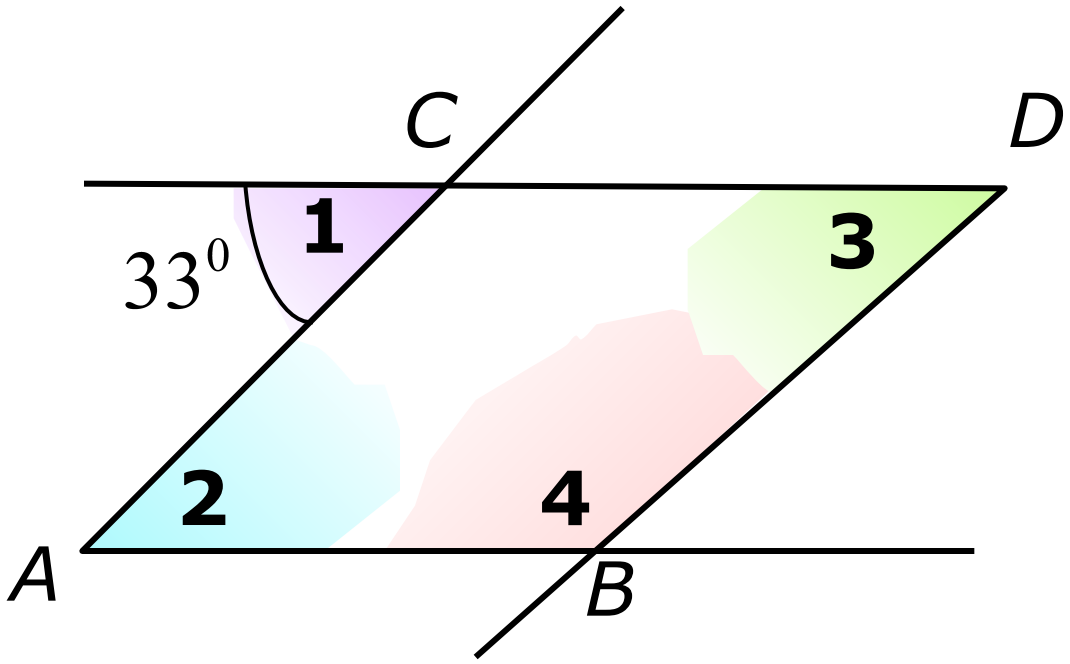
Задача 14



$KD \parallel AC$

Доказать: $\angle 1 = \angle 2$

Задача 15

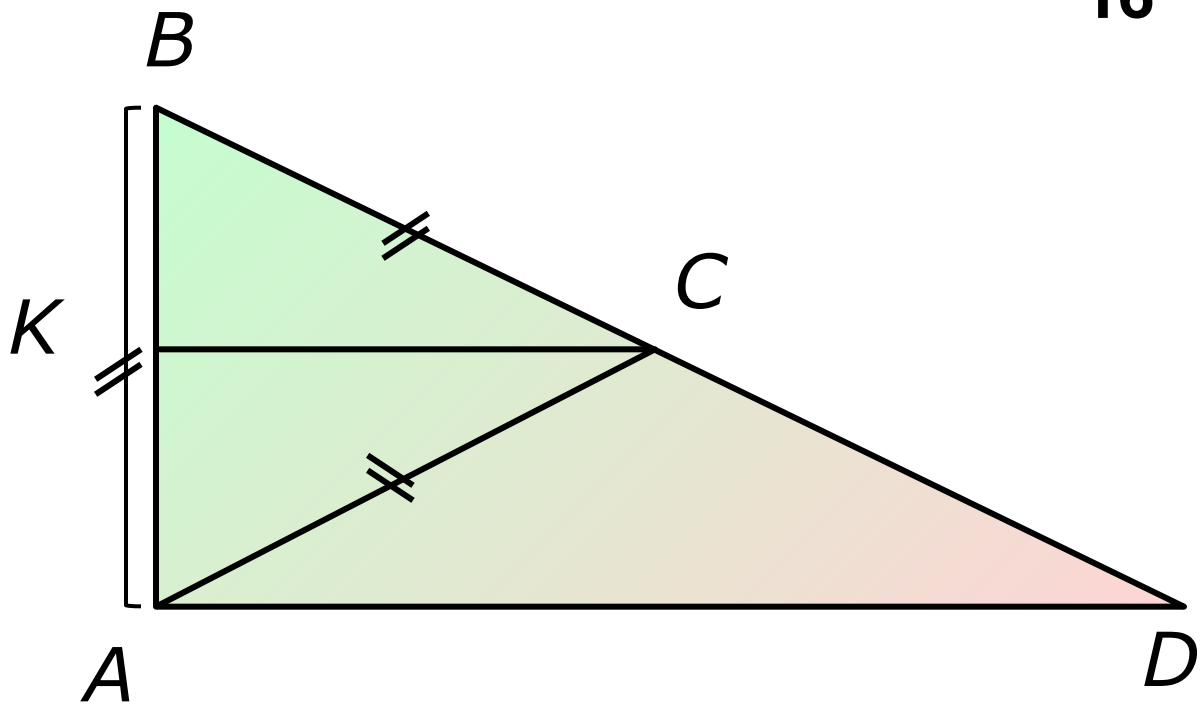


$AC \parallel DB$, $DC \parallel AD$

Найти $\angle 2, \angle 3, \angle 4$

:

Задача 16

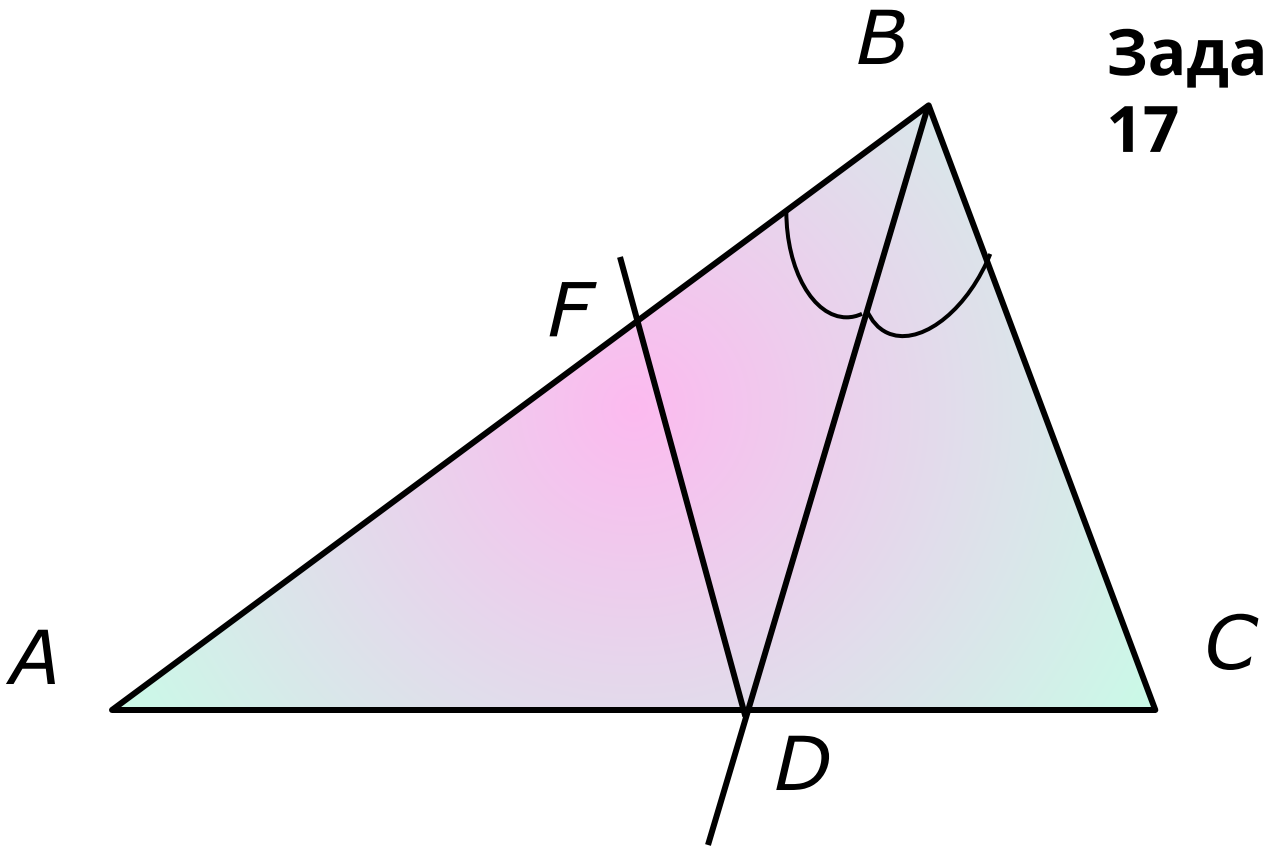


$AD \parallel CK$

Доказать $CK \perp AB$

:

Задача 17

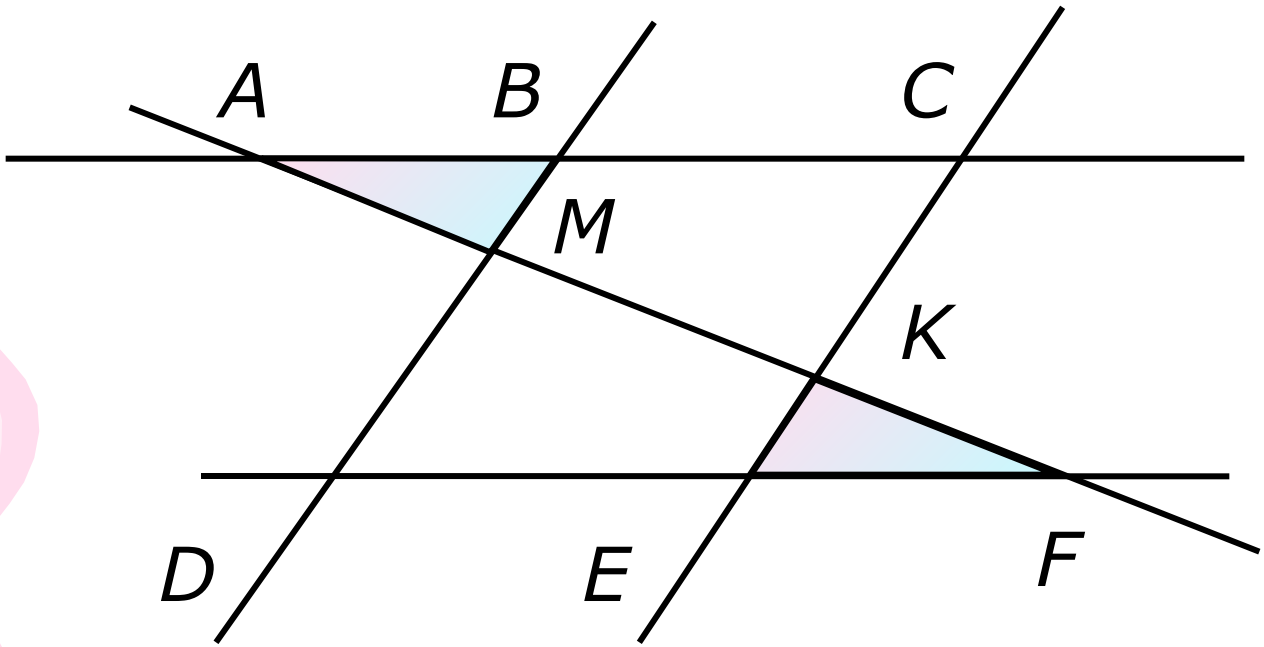


DF ll *CB*

BD - биссектриса

Доказать: DF=FB

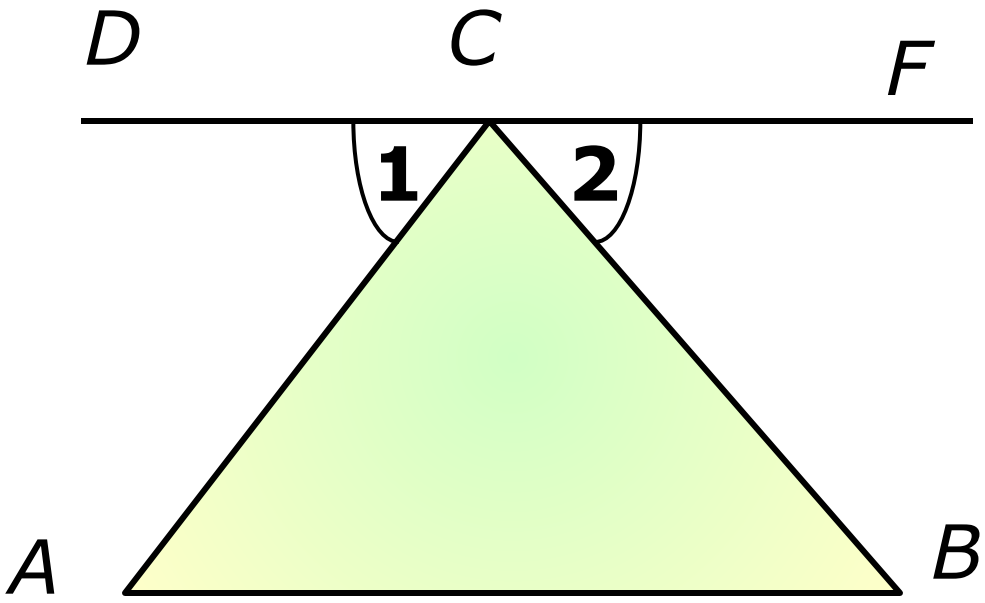
Задача 18



$AC \parallel DF, \quad DB \parallel EC$

Доказать, что углы Δ ABM соответственно равны углам ΔEKF

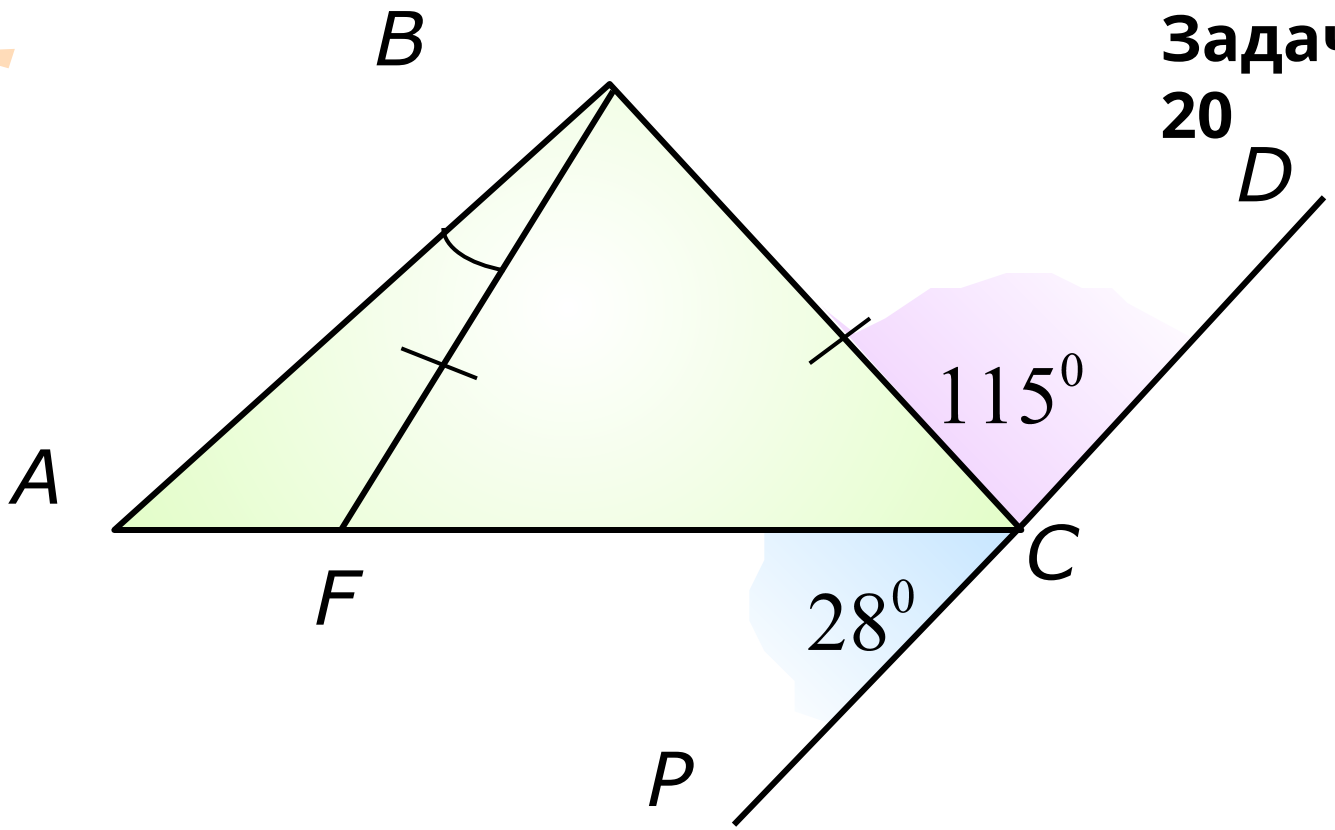
Задача 19



$AB \parallel DF, \quad \angle 1 = \angle 2$

Доказать: AB=CB

Задача 20

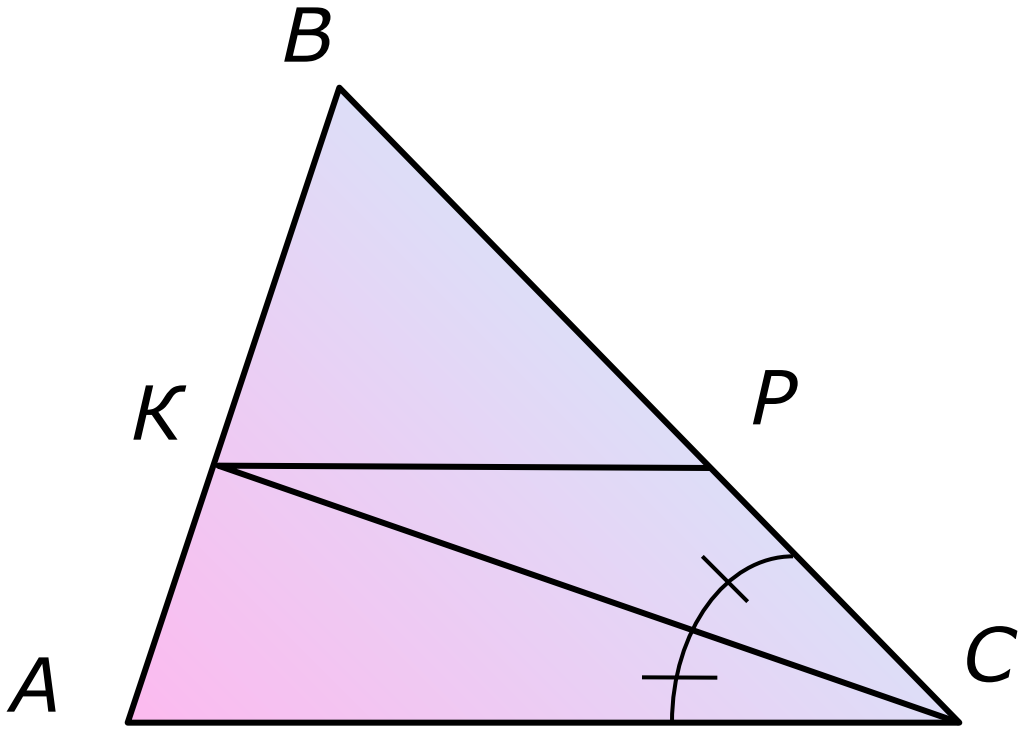


$AB \parallel PD$

Найти $\angle ABF$

.

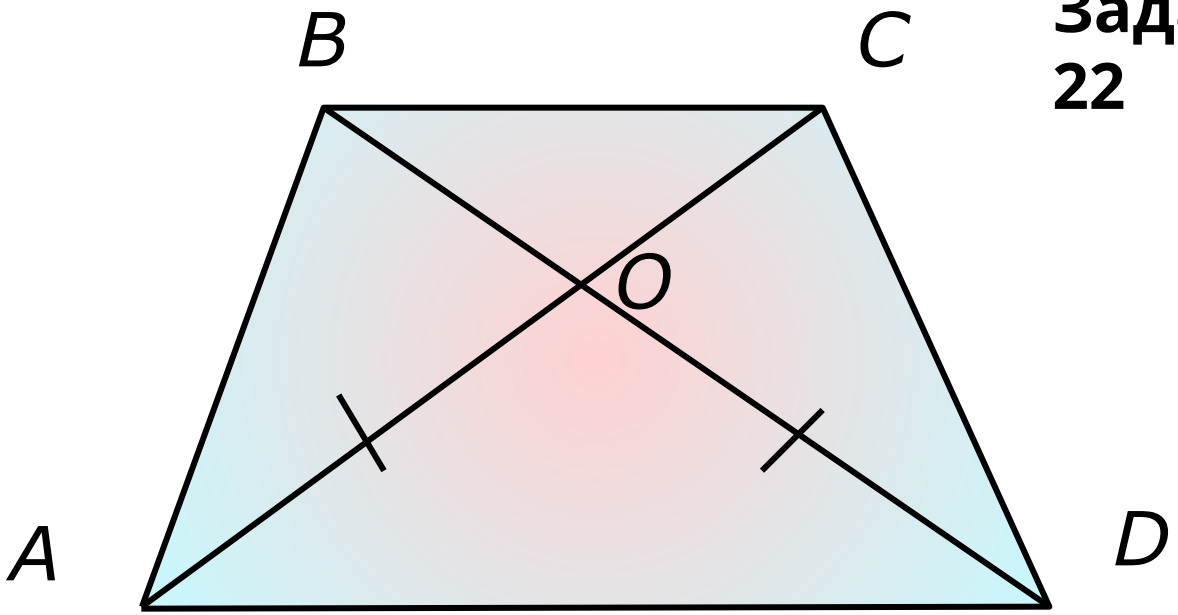
Задача 21



AC || KP,
CK-биссектриса

Доказать:
Δ KPC-равнобедренный

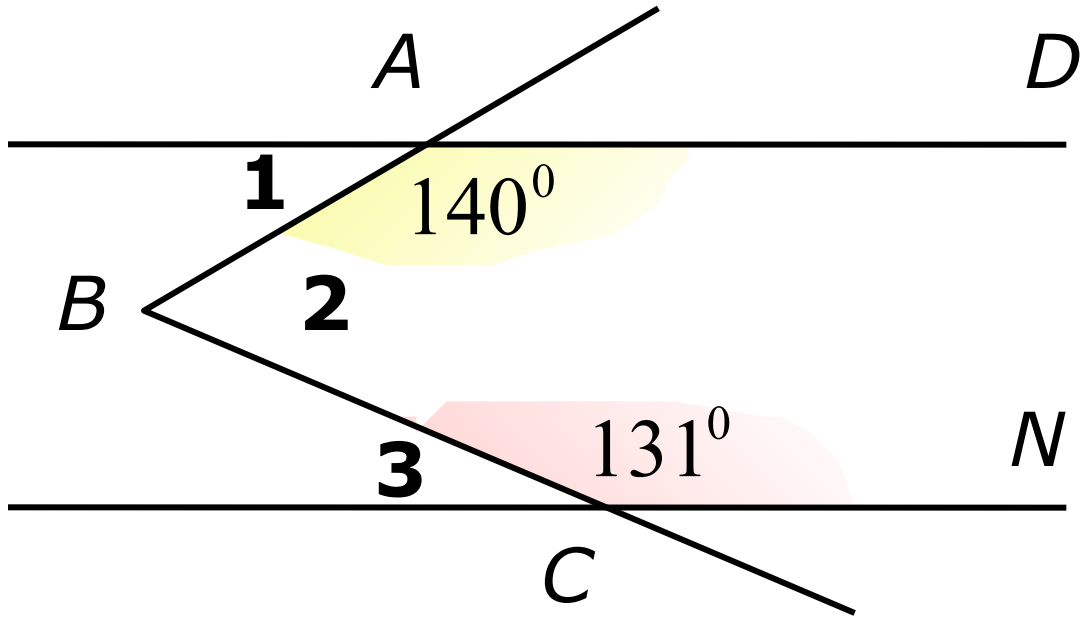
Задача 22



$BC \parallel AD$, $AO=OD$

Доказать, $\Delta ABD=\Delta ACD$

Задача 23

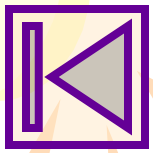


$AD \parallel CN$

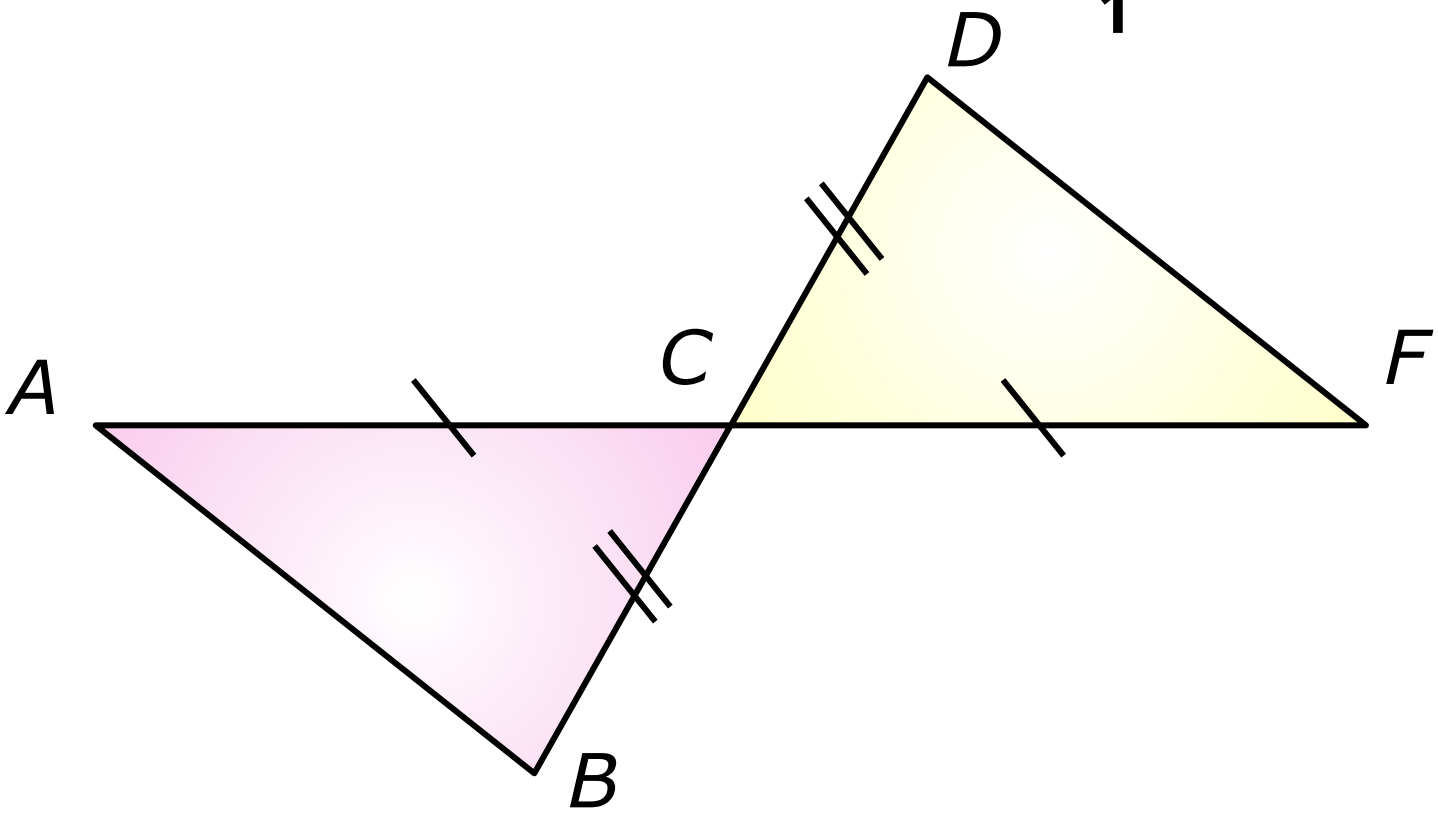
Найти: $\angle 1, \angle 2, \angle 3$

Признаки параллельных прямых

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16					

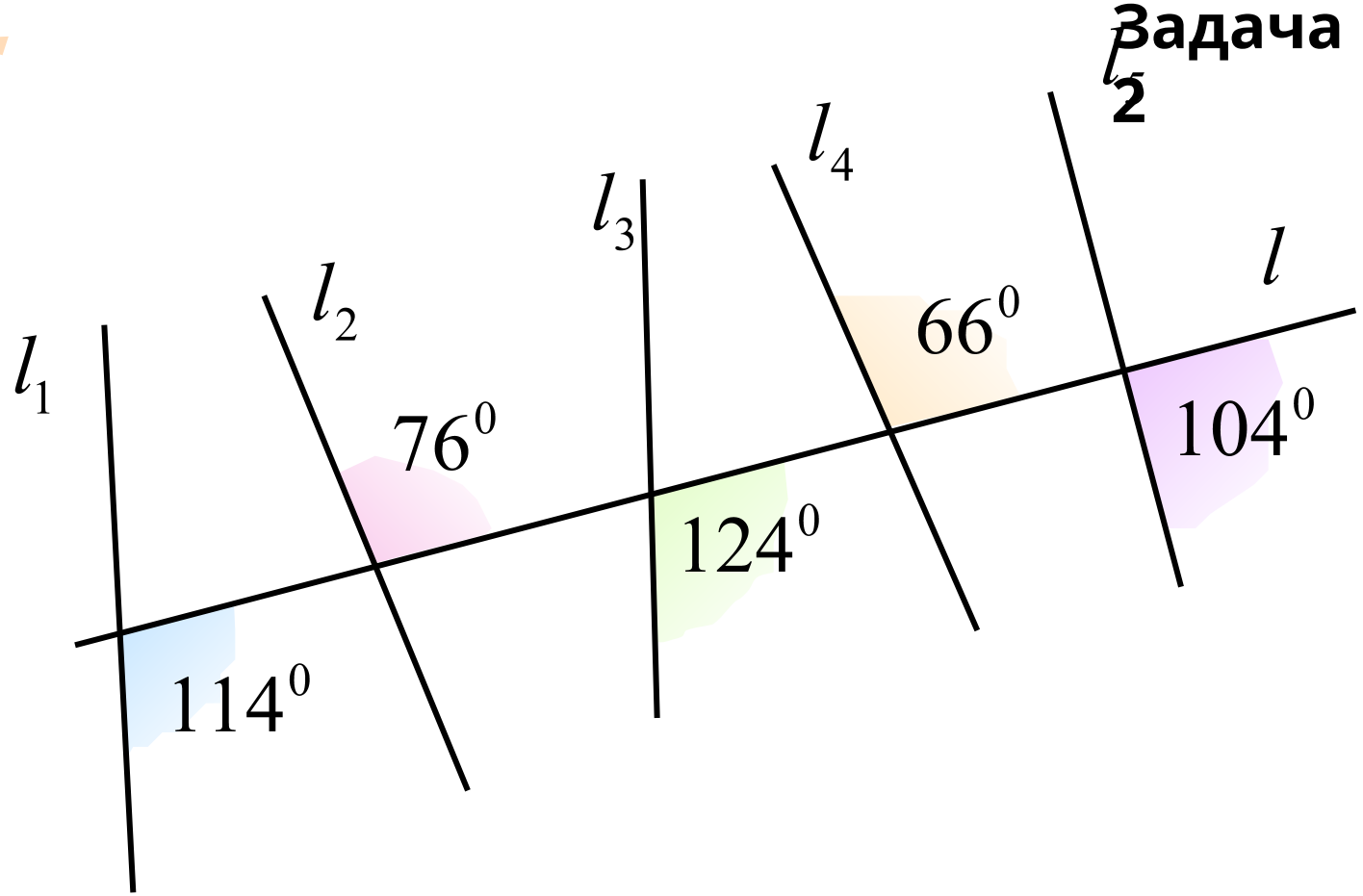


Задача 1



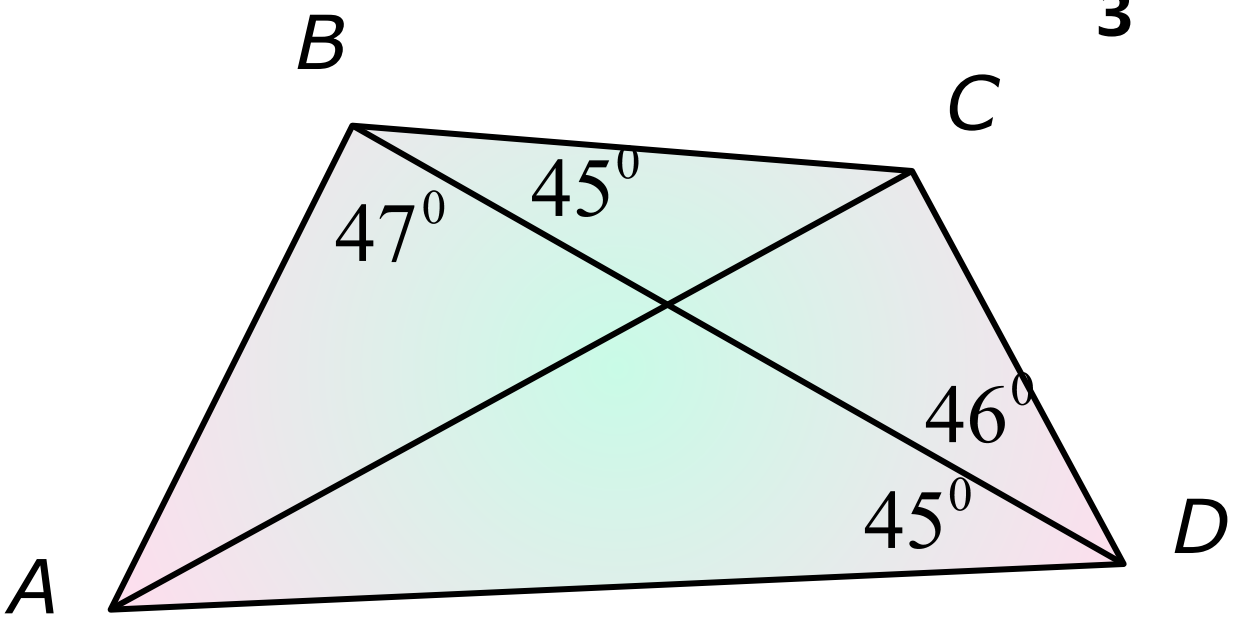
Доказать: AB ∥ DF

Задача 2



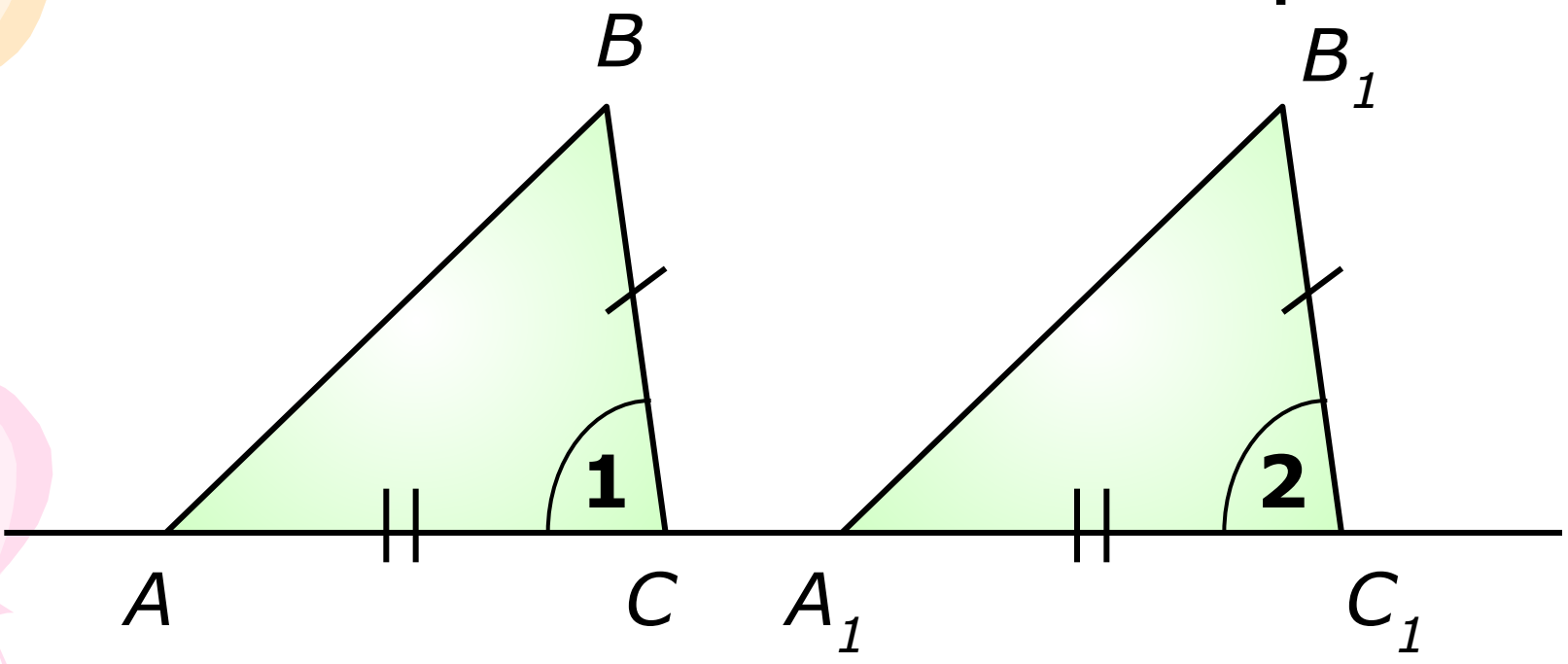
Найти параллельные прямые

Задача 3



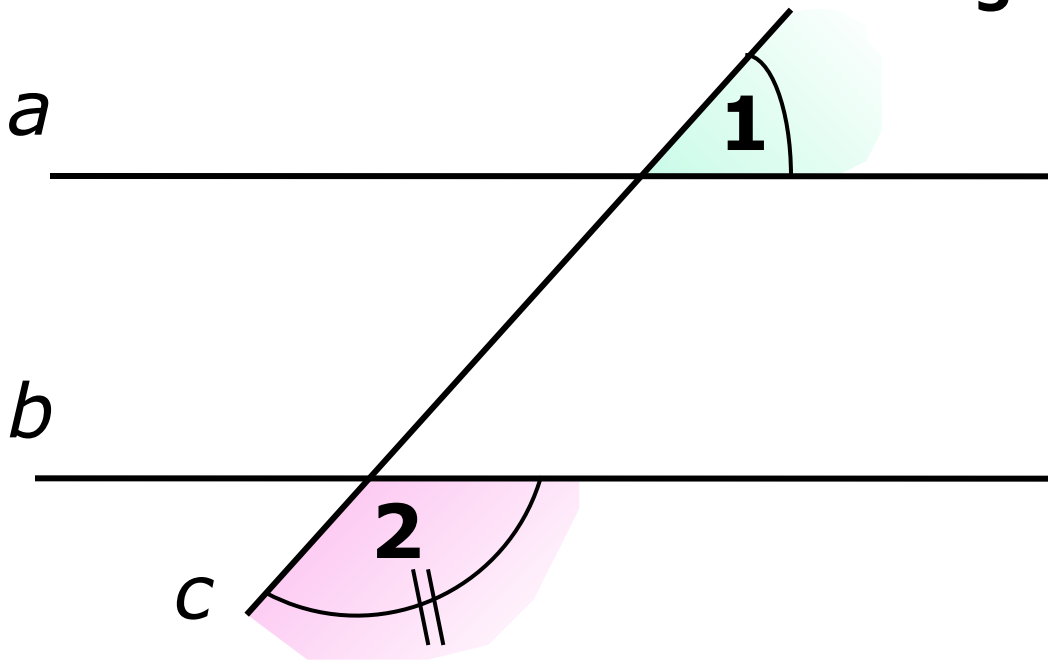
Укажите параллельные прямые

Задача 4



Доказать: AB ∥ A_1B_1

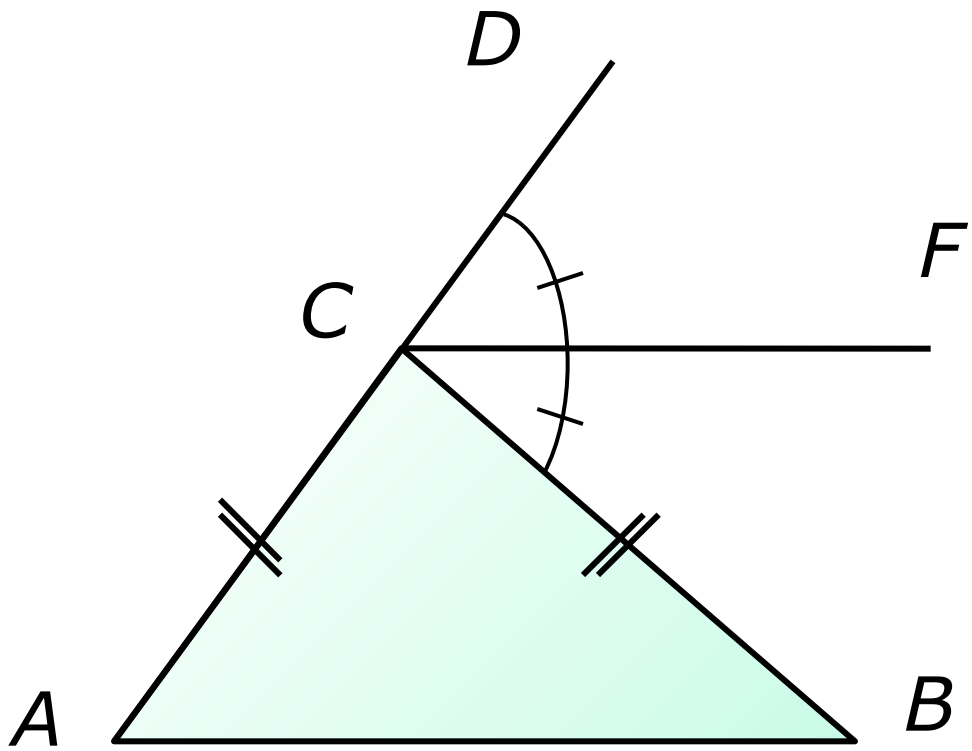
Задача 5



$\angle 1 + \angle 2 = 180^0$

Доказать: a || b

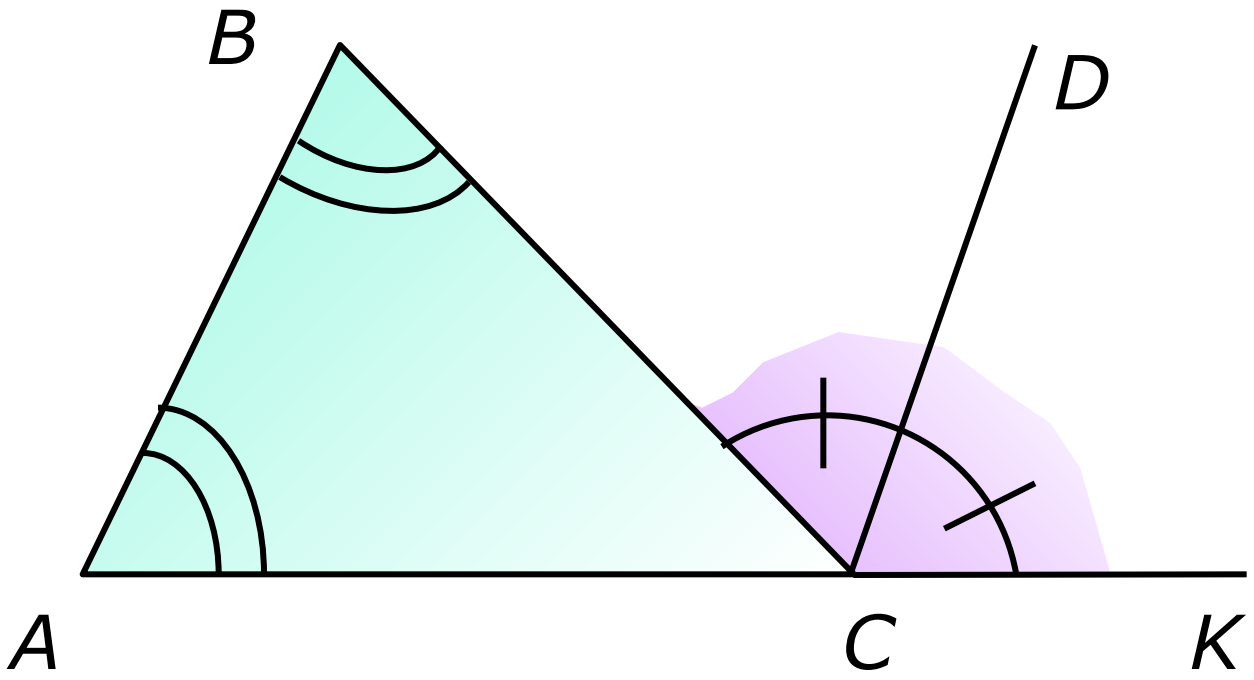
Задача 6



CF-биссектриса

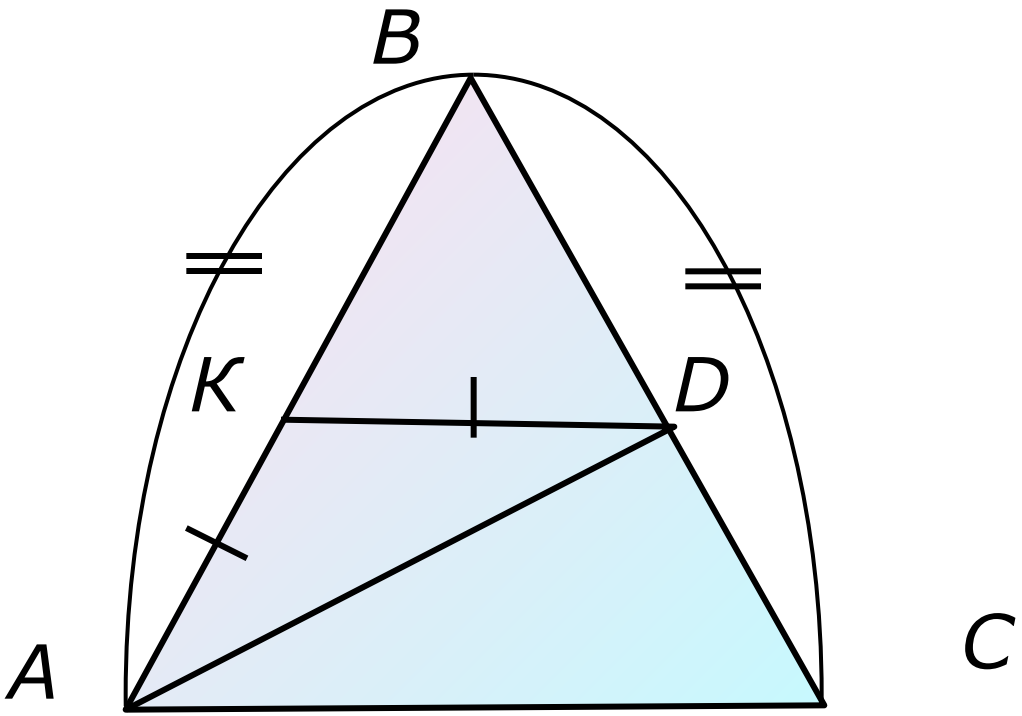
Доказать: AB ∥ CF

Задача 7



Доказать:AB ∥ *CD*

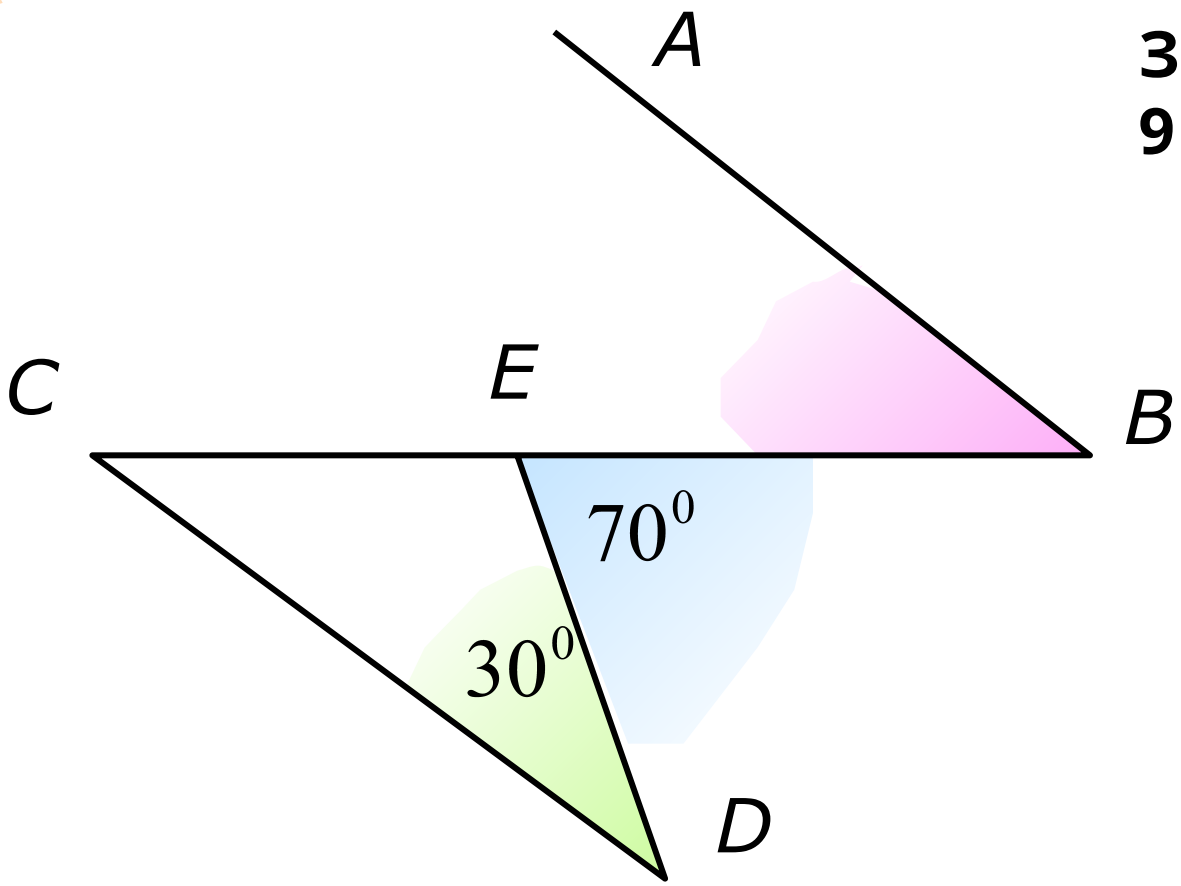
Задача 8



$$\angle \tilde{N} = 80^0, \angle DAC = 40^0$$

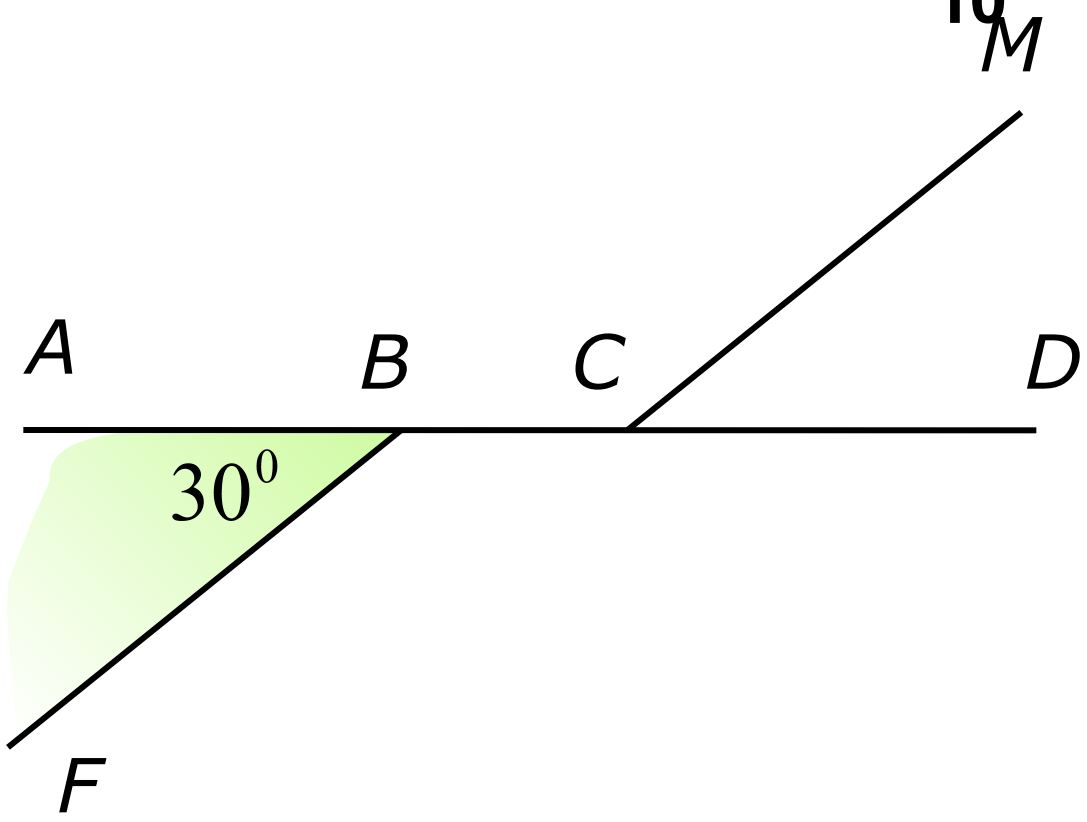
Доказать: AC || KP

Задача 9



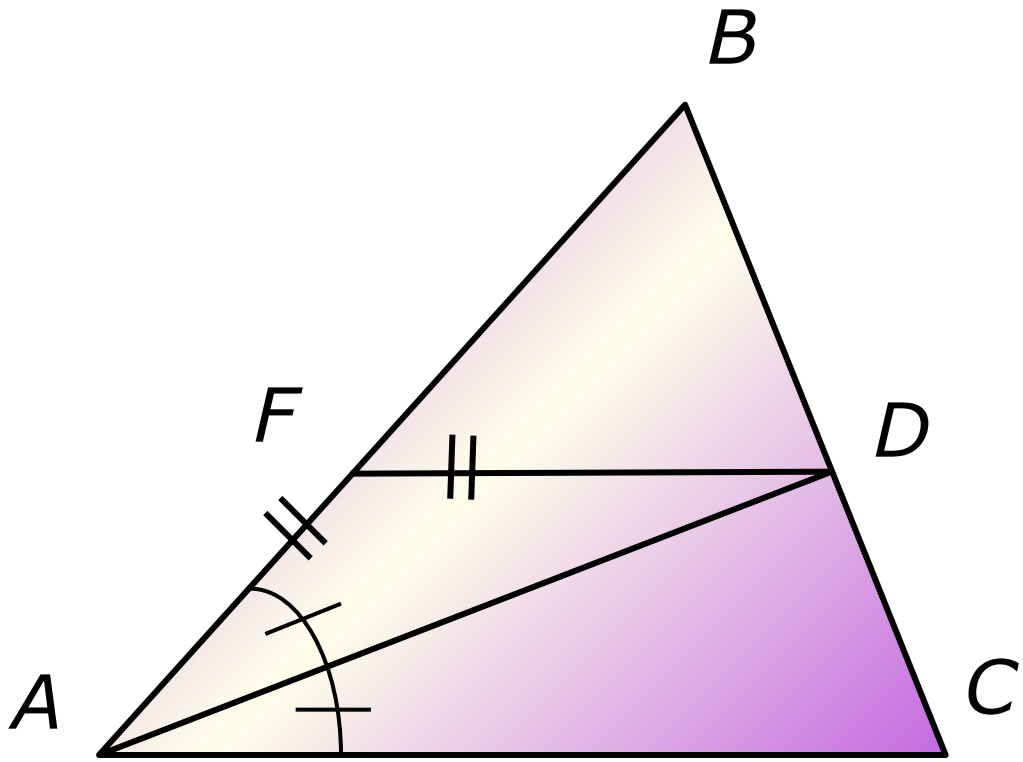
Найти условия, при которых AB || DC

Задача 10



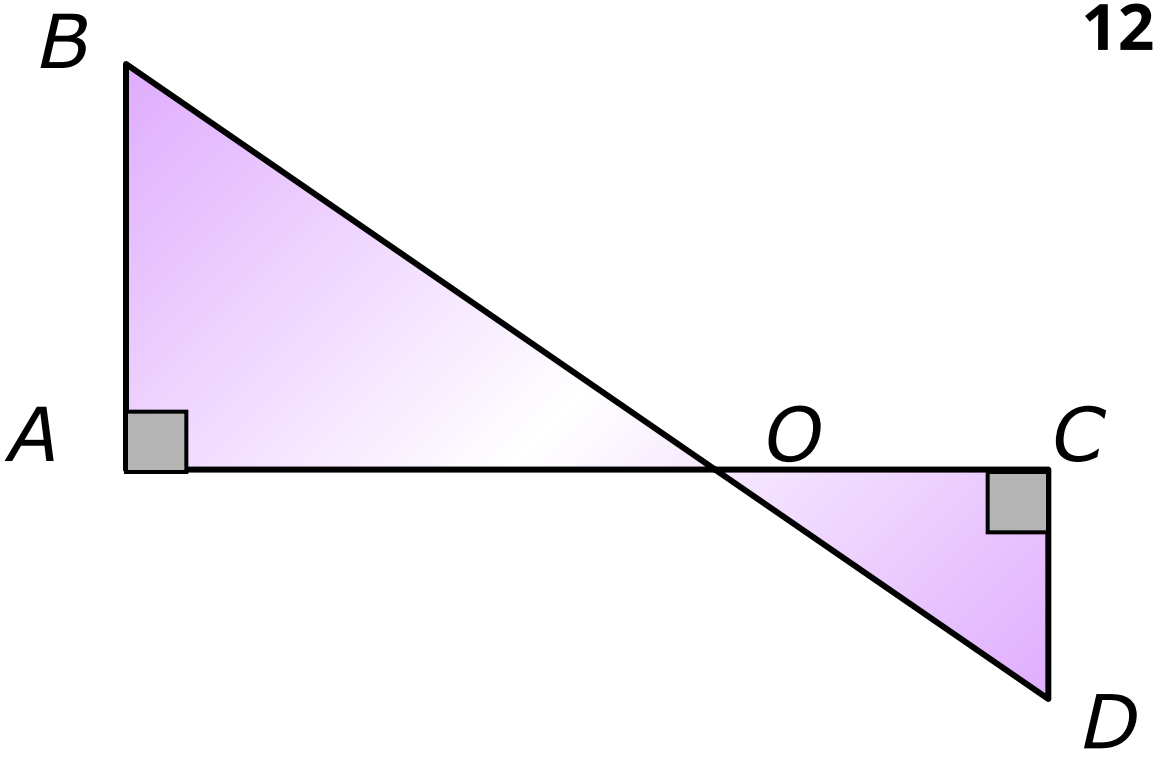
Найти условия,
при которых FB || CM

Задача 11



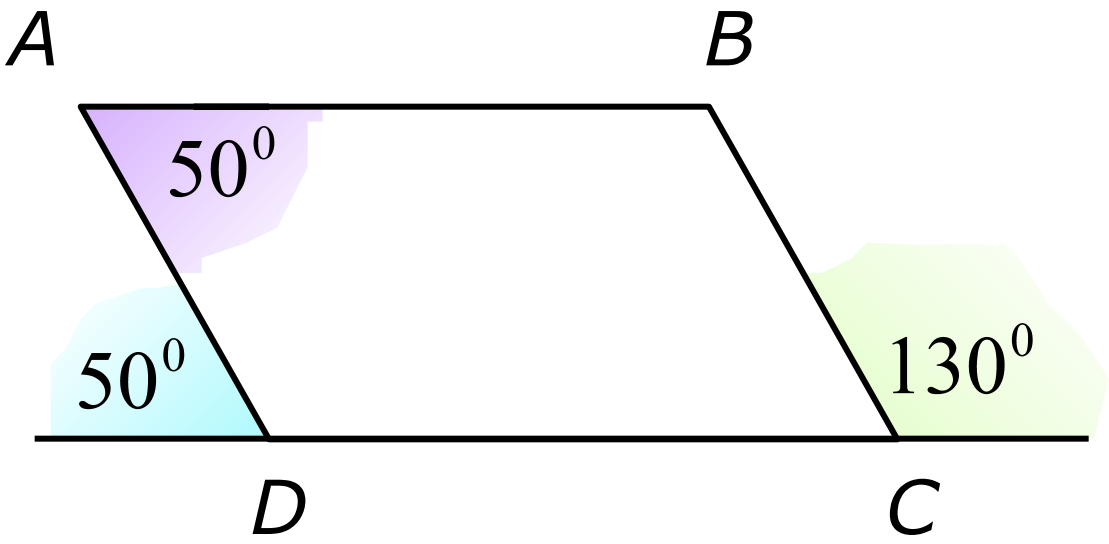
Доказать: FB ∥ *AC*

Задача 12



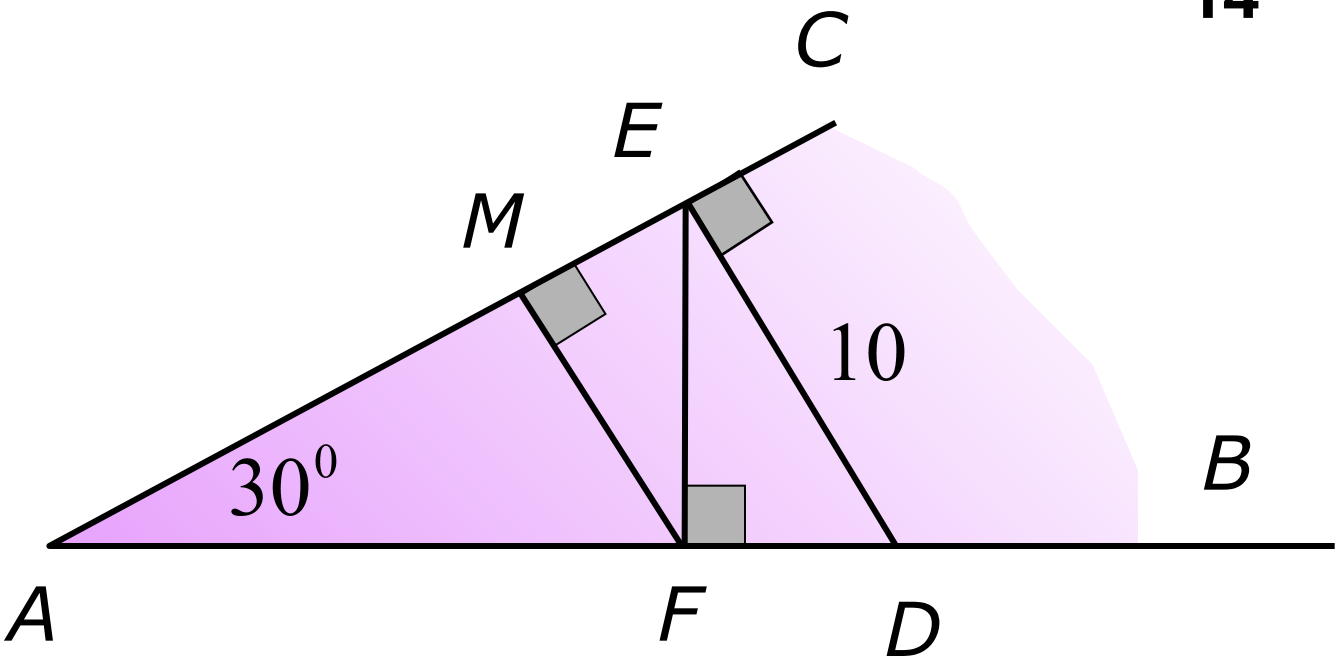
Укажите параллельные прямые

Задача 13



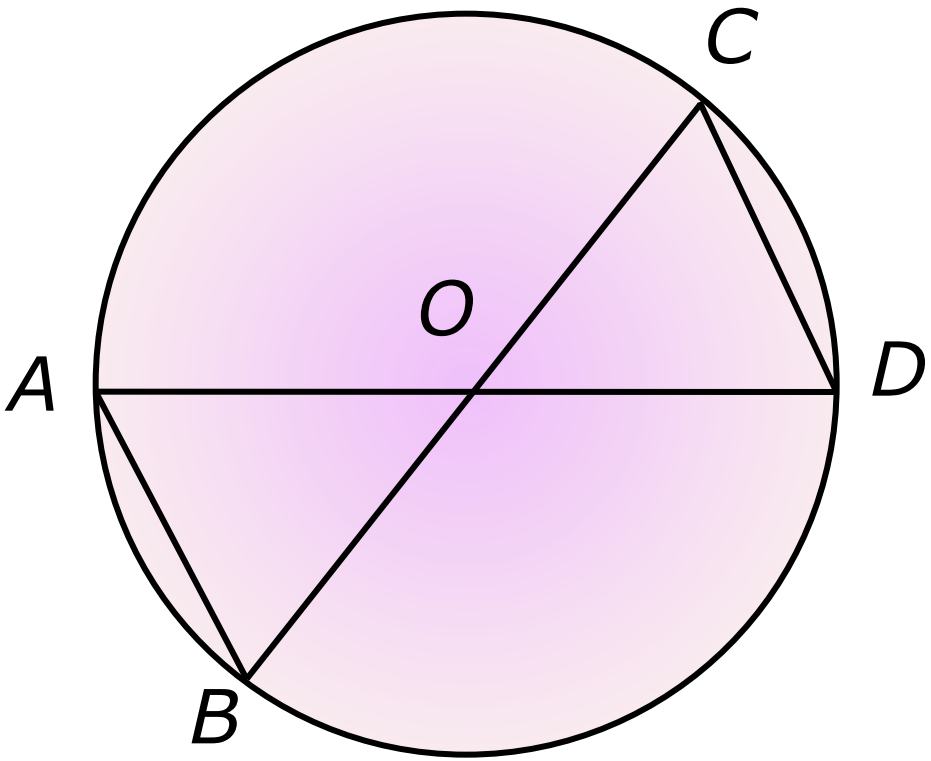
Укажите параллельные прямые

Задача 14



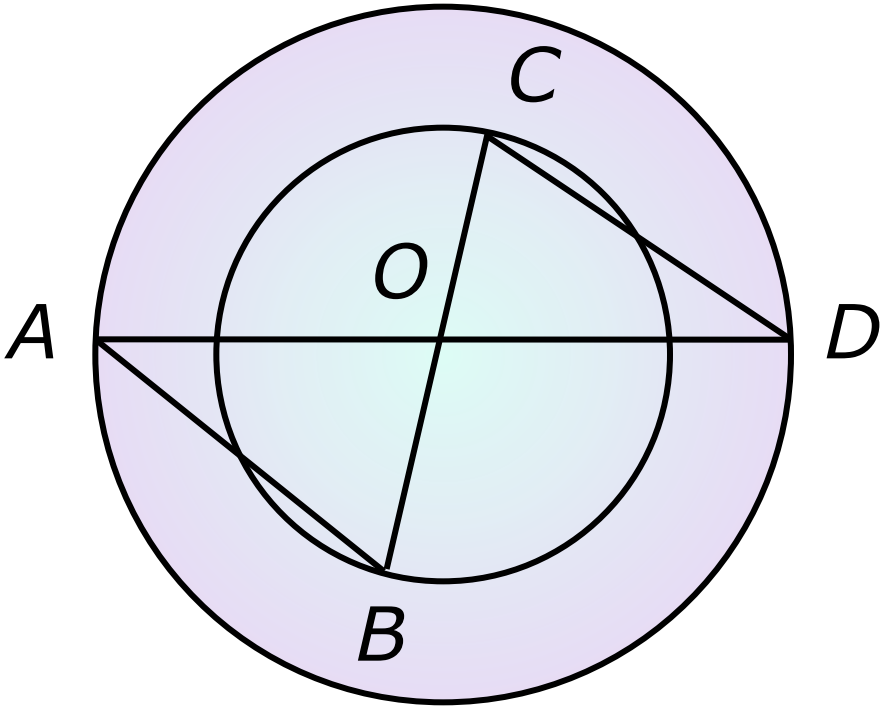
Найти: FM

Задача 15



Доказать: AB ∥ CD

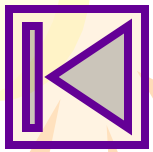
Задача 16



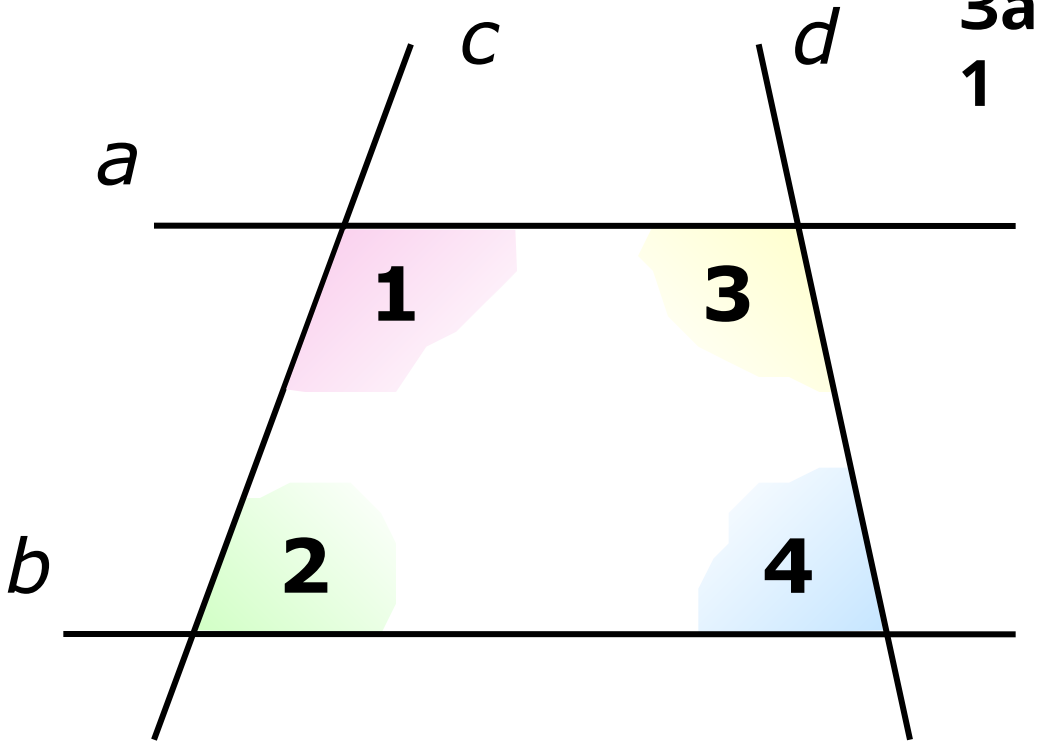
Доказать: FB ∥ *AC*

Комбинированные

1	2	3	4	5
6	7	8	9	10



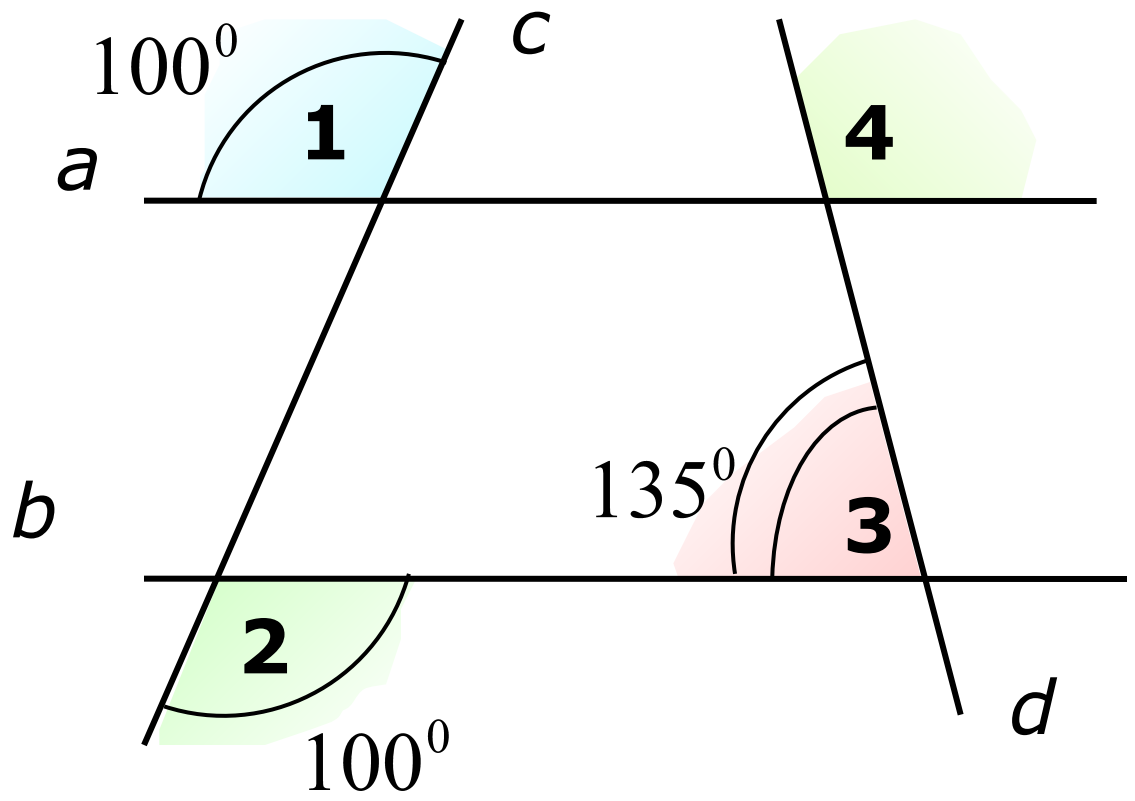
Задача 1



$\angle 1 + \angle 2 = 180^0$

Доказать: $\angle 3 + \angle 4 = 180^0$

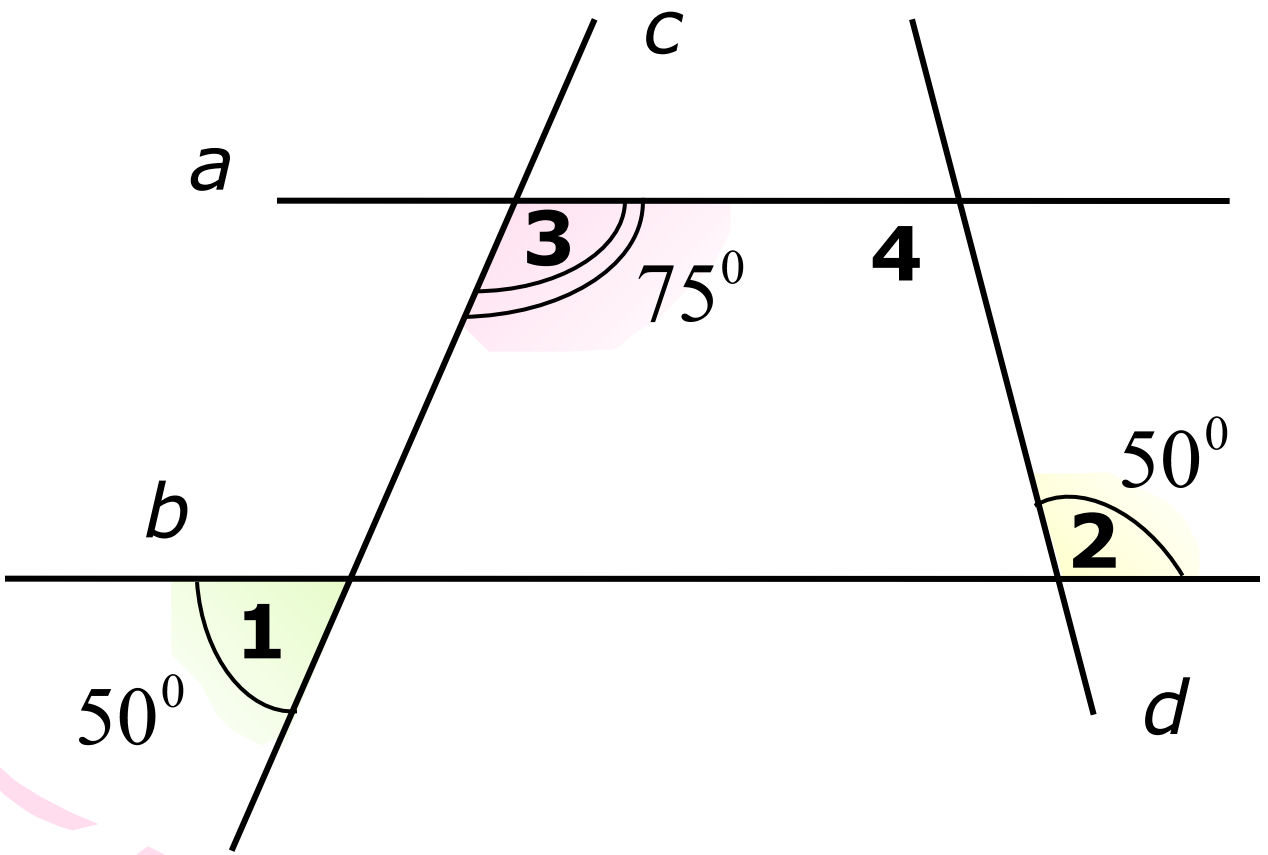
Задача 2



Найти $\angle 4$

:

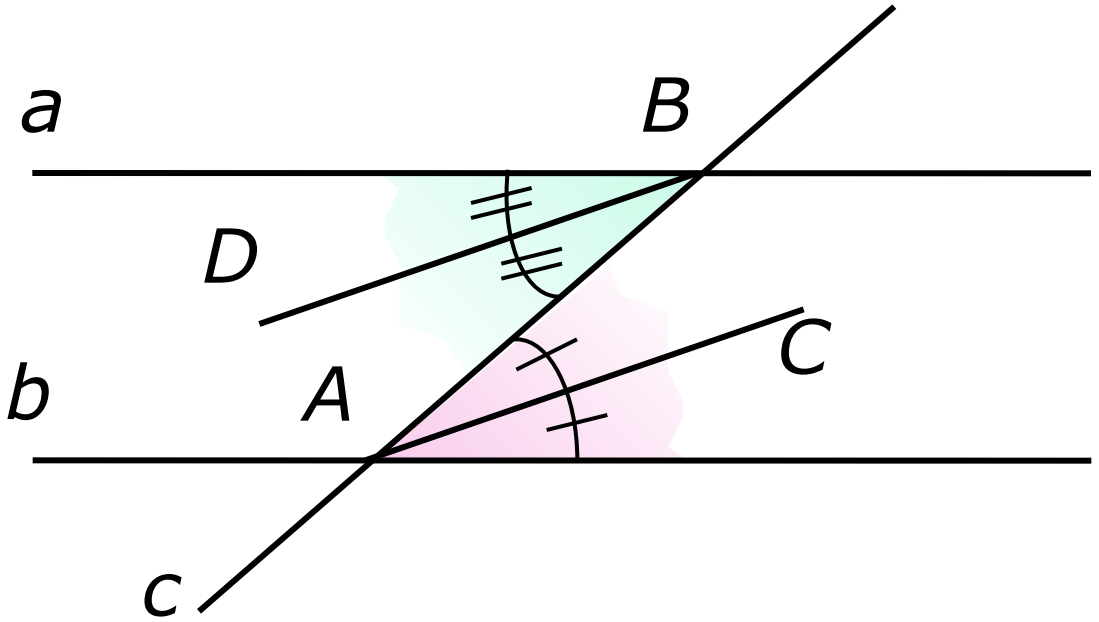
Задача 3



Найти $\angle 4$

:

Задача 4

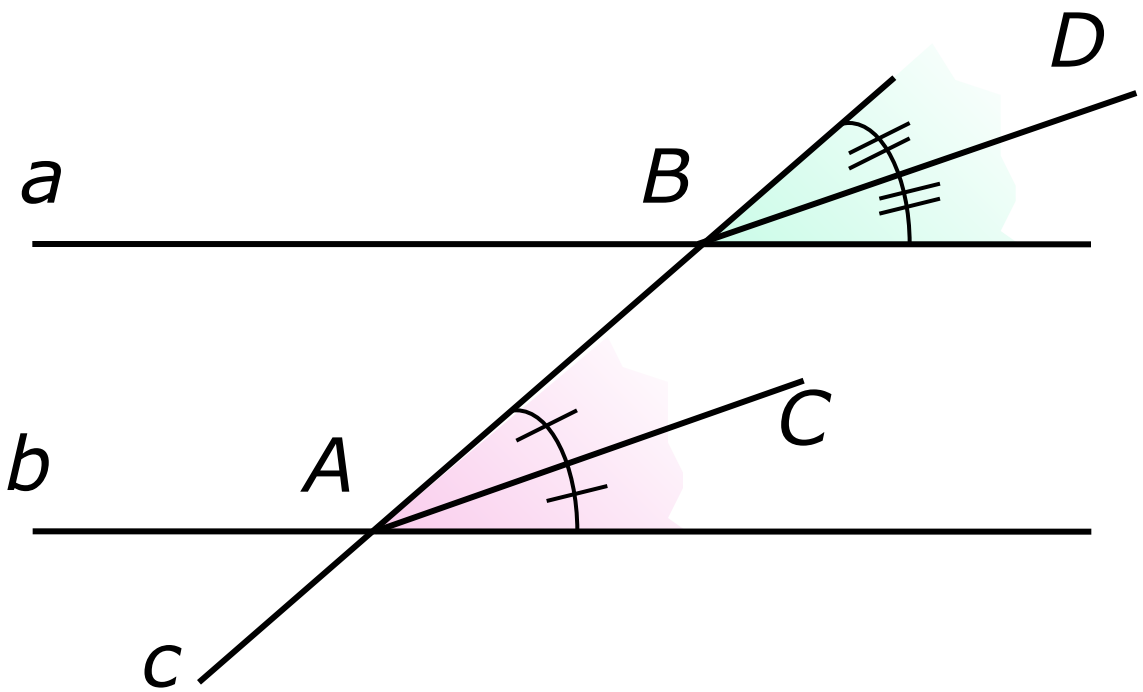


$a \parallel b$, с- секущая

AC и BD – биссектрисы

Доказать: $AC \parallel BD$

Задача 5

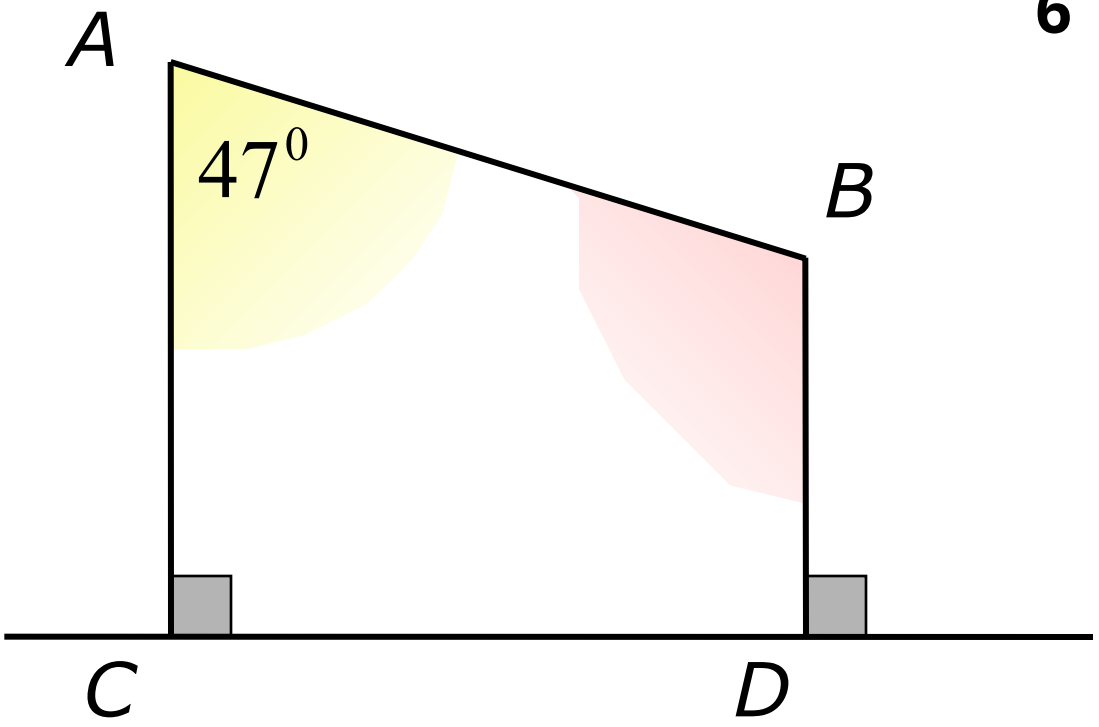


a ll *b*, *c*- секущая

AC и *BD* – биссектрисы

Доказать: AC ll *BD*

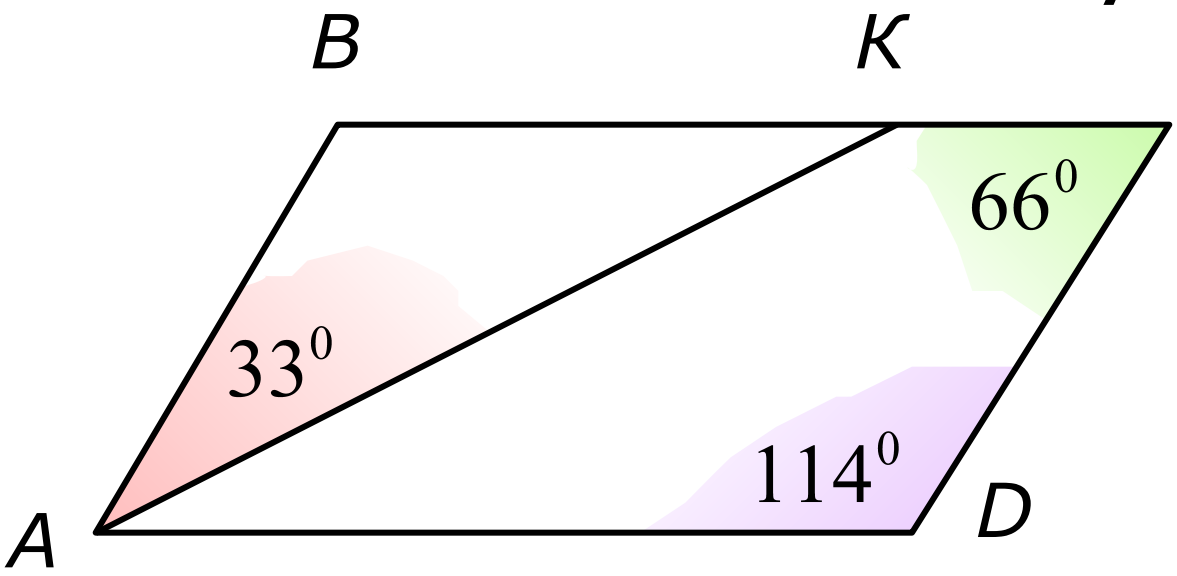
Задача 6



Найти $\angle ABD$

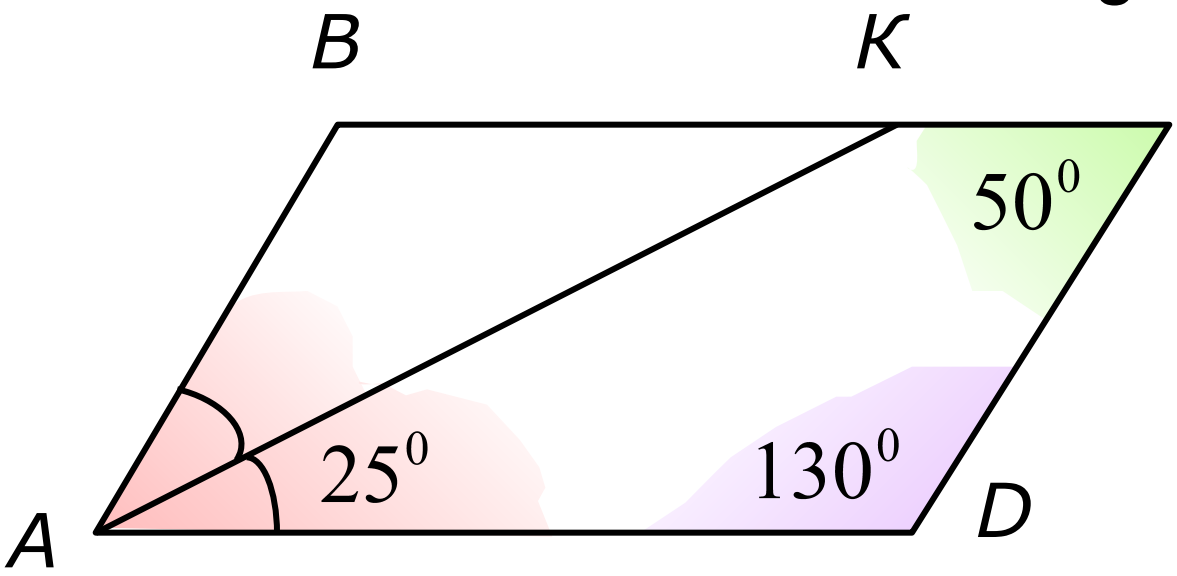
:

Задача 7



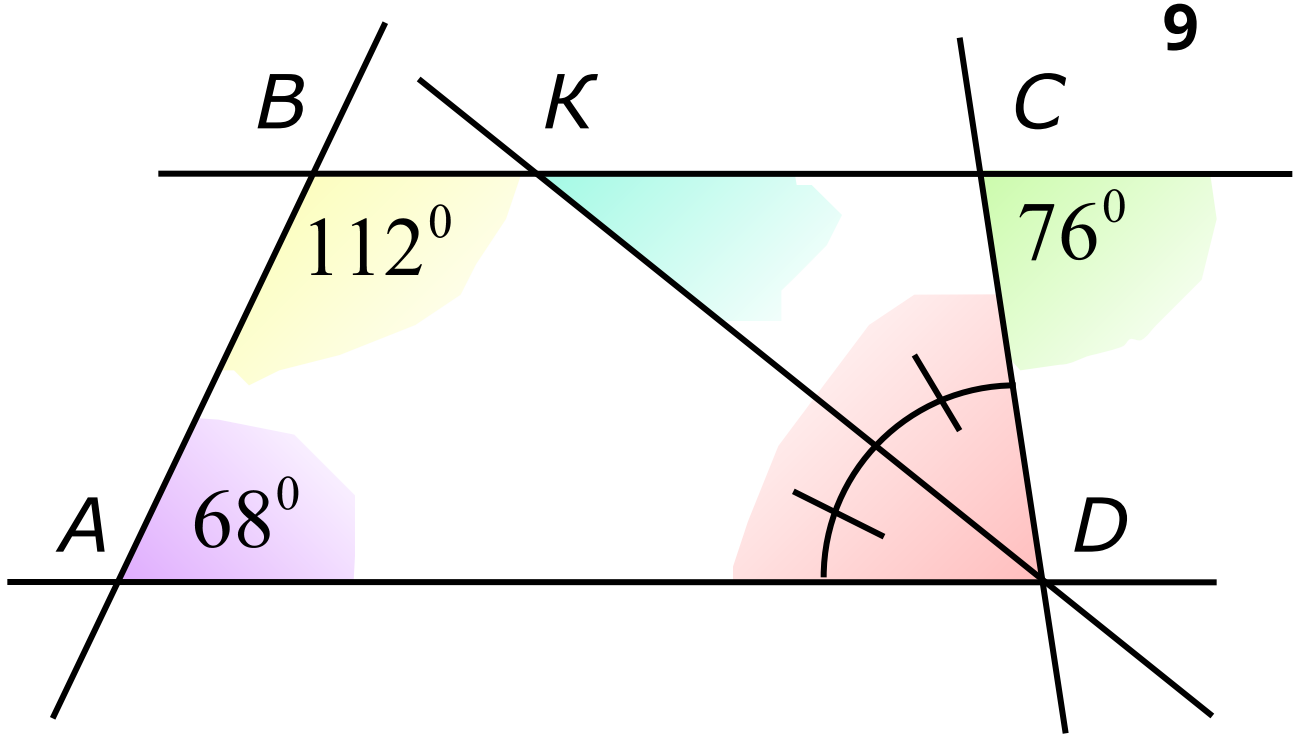
Доказать: АК-биссектриса

Задача 8



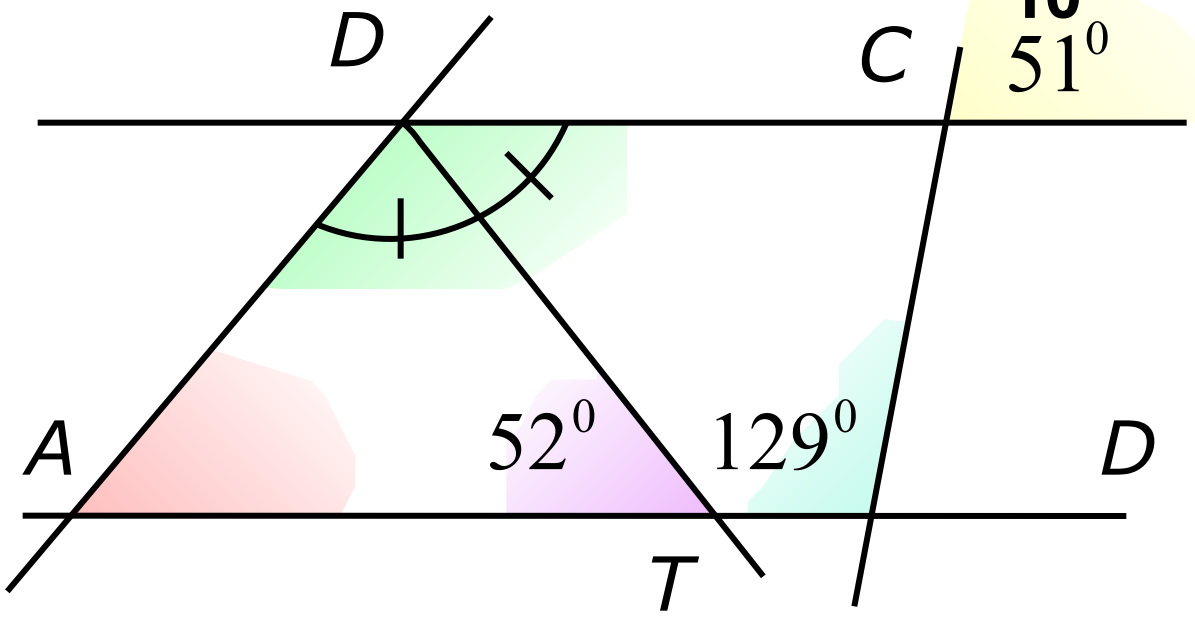
Найти: $\angle ABE$

Задача 9



Найти: $\angle D\hat{E}C$

Задача 10



Найти: $\angle DAT$