

Rasters e coordinatas

Determinescha las coordinatas dils puncts A e B cun agid dil geotrianghel.

Noda las coordinatas.

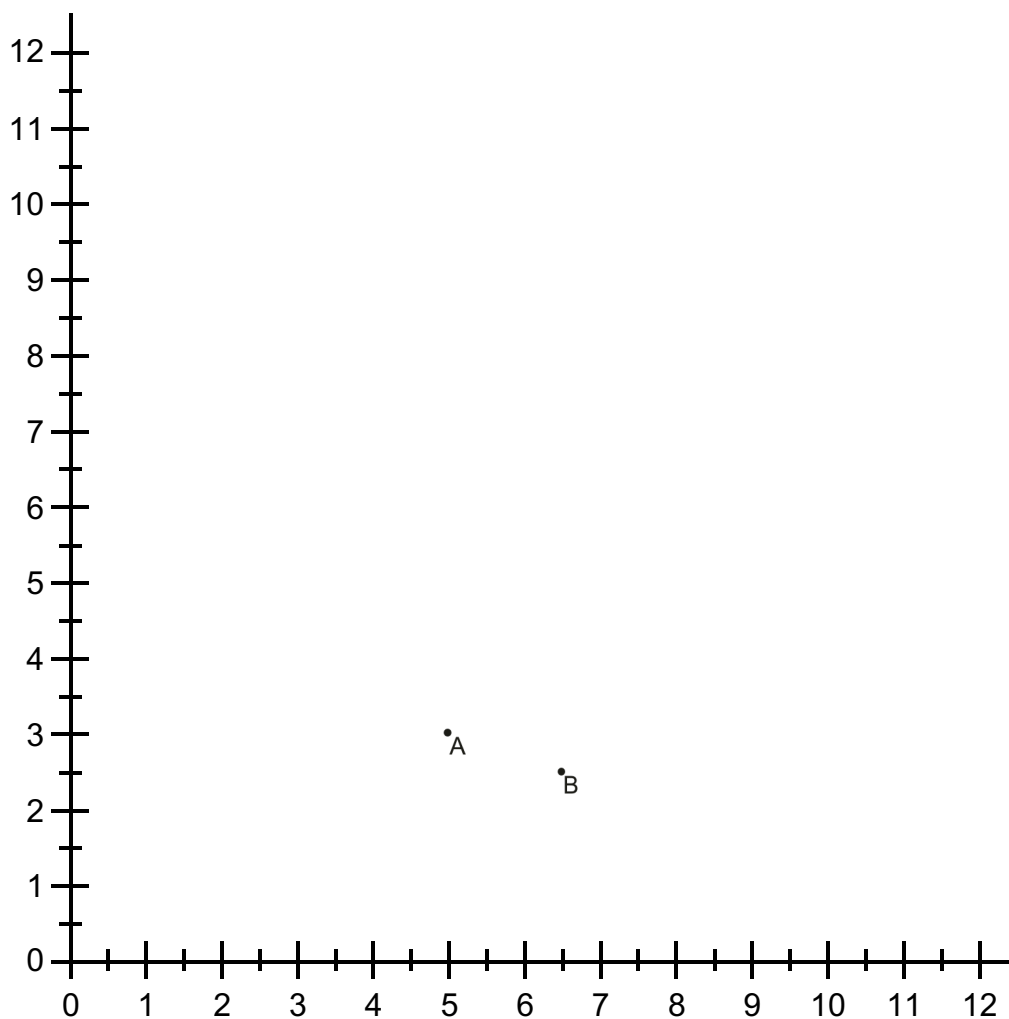
Noda ils puncts C e D cun agid dil geotrianghel el sistem da coordinatas.

A (..... /)

B (..... /)

C (2/7.5)

D (9.5/4.5)



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Determinescha las coordinatas dils puncts A e B cun agid dil geotrianghel. da las coordinatas.

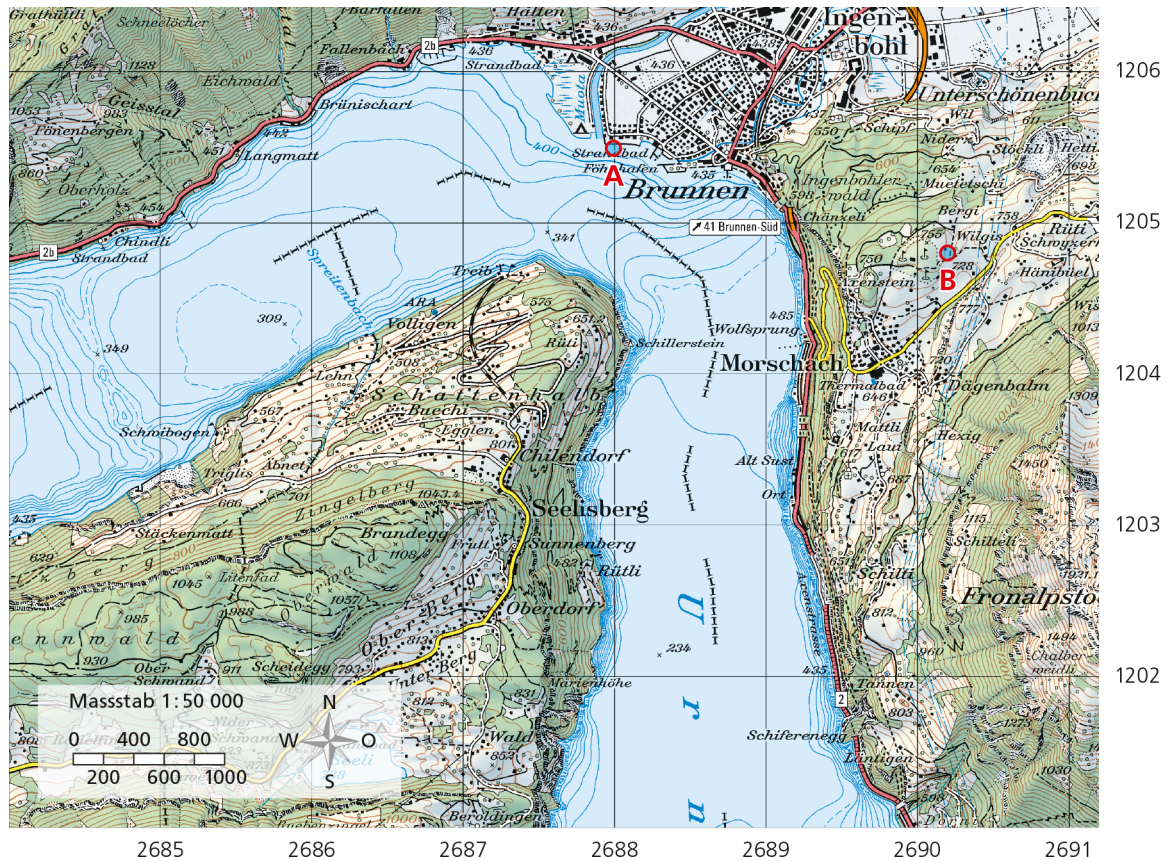
Noda ils puncts cun agid dil geotrianghel ella carta geografica.

A (..... /)

B (..... /)

C (2689.5 / 1204.0)

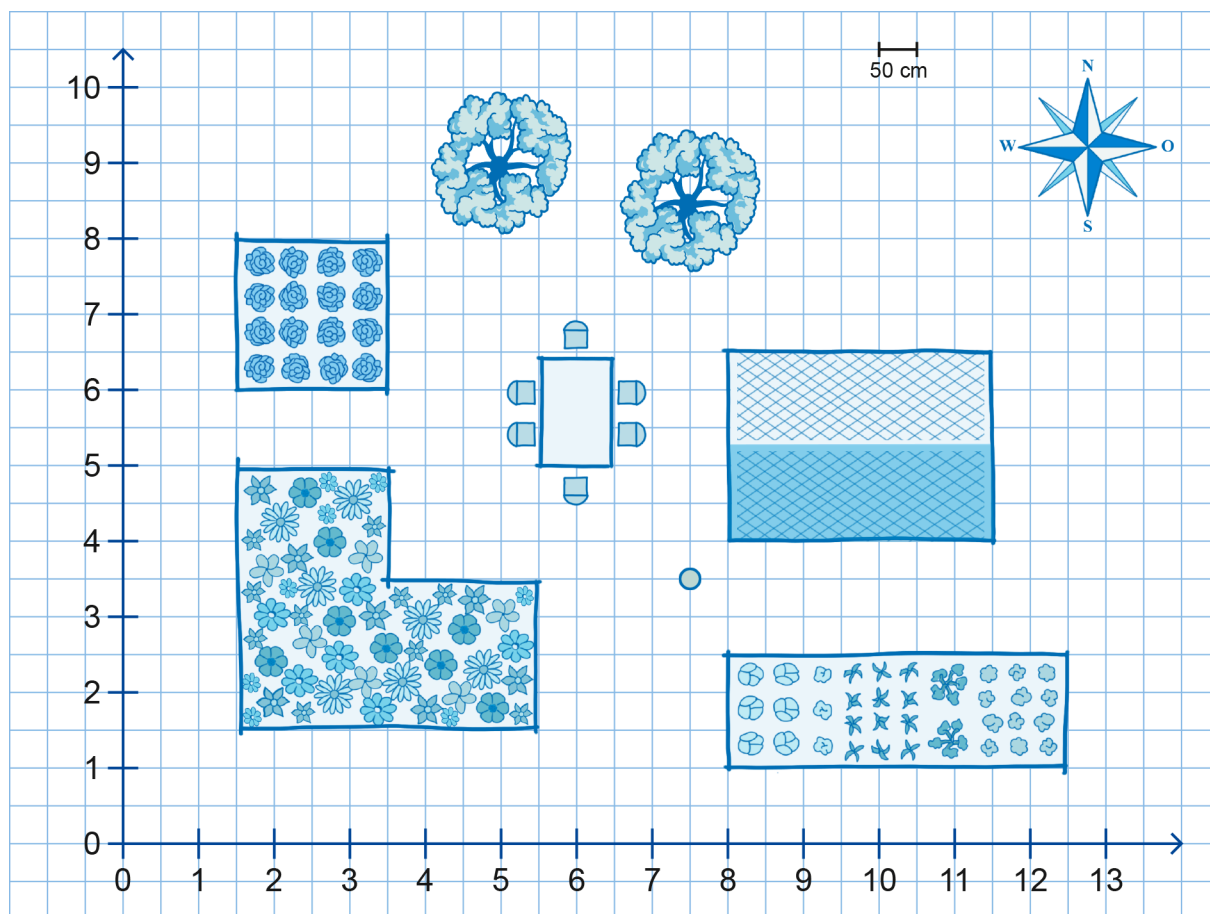
D (2685.4 / 1203.6)



Kartenausschnitt Brunnen, 1:50000. Reproduziert mit Bewilligung von swisstopo (BA15086), Alexandra Frank, Verlag / Lizenzen / Bundesamt für Landestopografie



En in sistem da coordinatas ei in plan da raster da 50 cm dessignaus. Descriva cun agid dallas coordinatas, lunghezas da tschancuns e direcziuns in via sin il plan.



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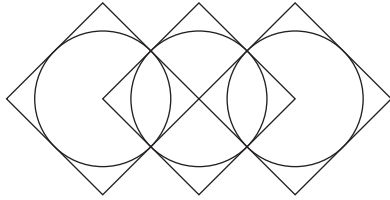
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.....

Lingias

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Dessegna il maletg a maun.



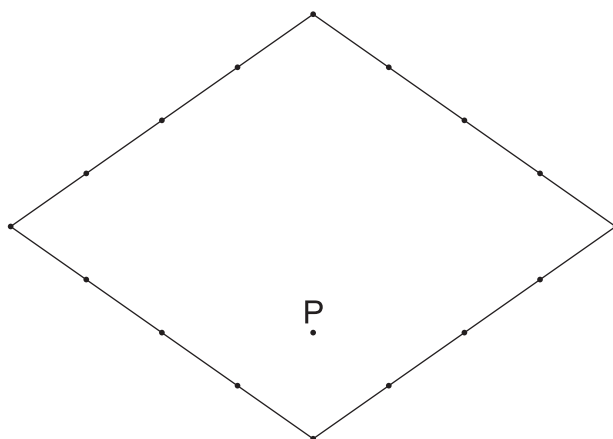
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Dessegna il maletg a maun.



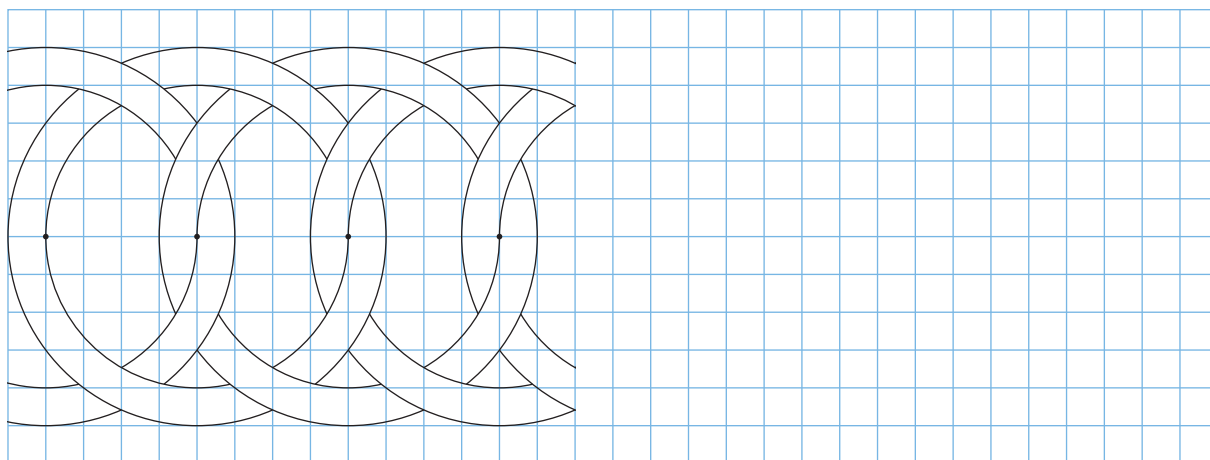
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Dessegna entuorn mintgin dils 16 puncts in rudi atras il punct P.



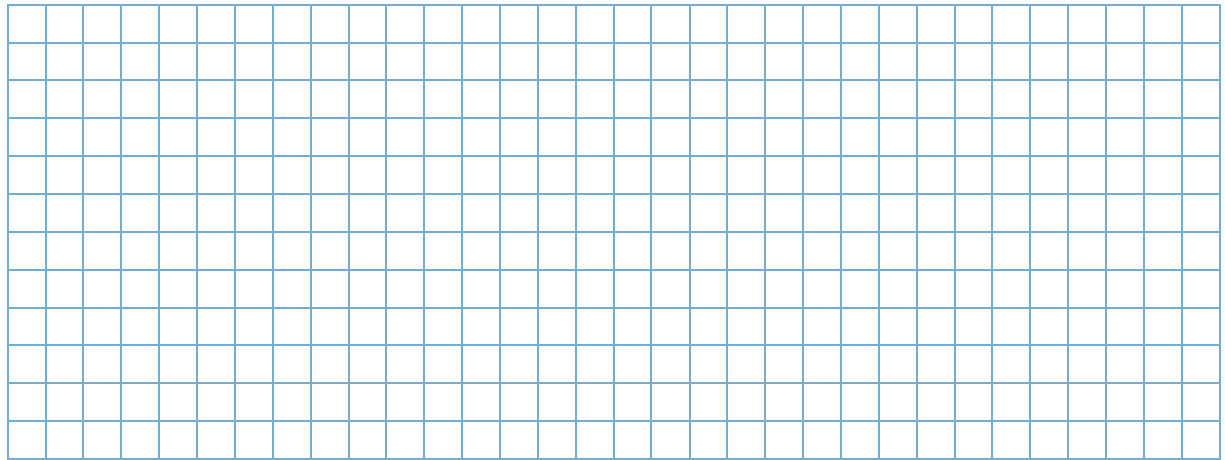
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Cuntinuescha igl ornament cul cerchel.





Dessegna in agen ornament cul cerchel e geotrianghel.



Fuormas

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Dessegna in rombus cul cerchel e geotrianghel.

Dessegna omisduas diagonalas.

Tgei qualitäts valan per omisduas diagonalas?

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Dessegna dus differentes pentagons cul geotrianghel. Interquera la summa dils tschun anghels els dus pentagons.

Tgei constateschas ti?

Construcziuns fundamentalas

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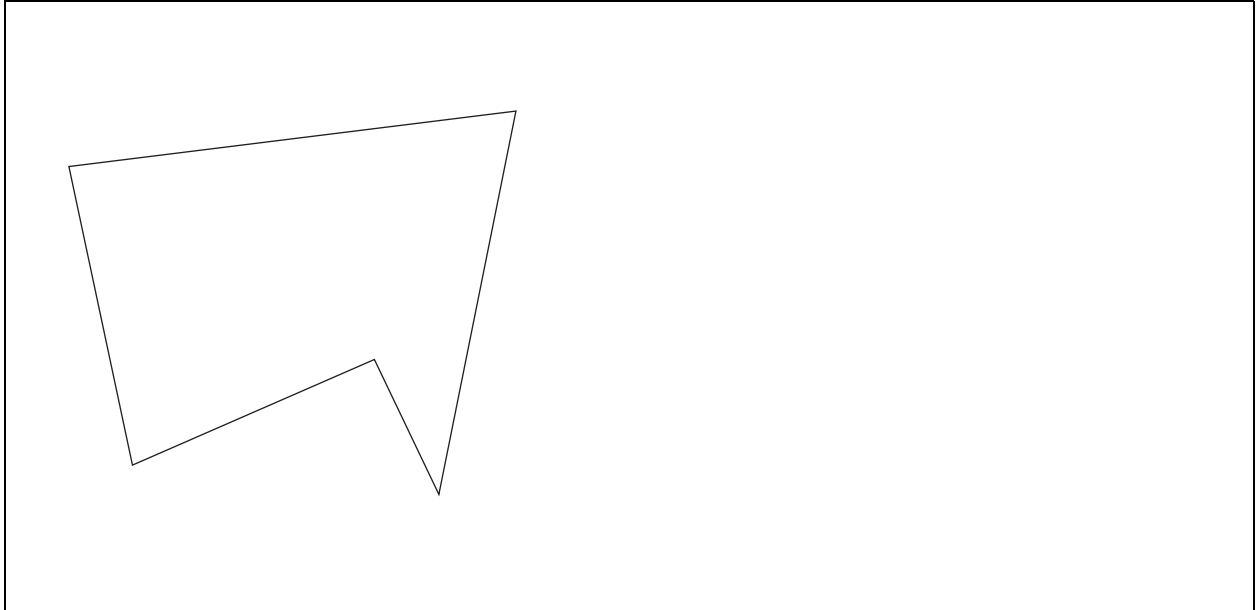
Dessegna in tschancun d'ina lunghezia da 7 cm ed in tschuncun da 2 cm.
Construescha la verticala centrala cul cerchel e geotrianghel.

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Dessegna in rombus cul cerchel e geotrianghel. Construescha tier tuttas varts dil rombus las verticalas centralas. Tgei fuorma ha la figura che vegn formada cun las quater verticalas centralas?

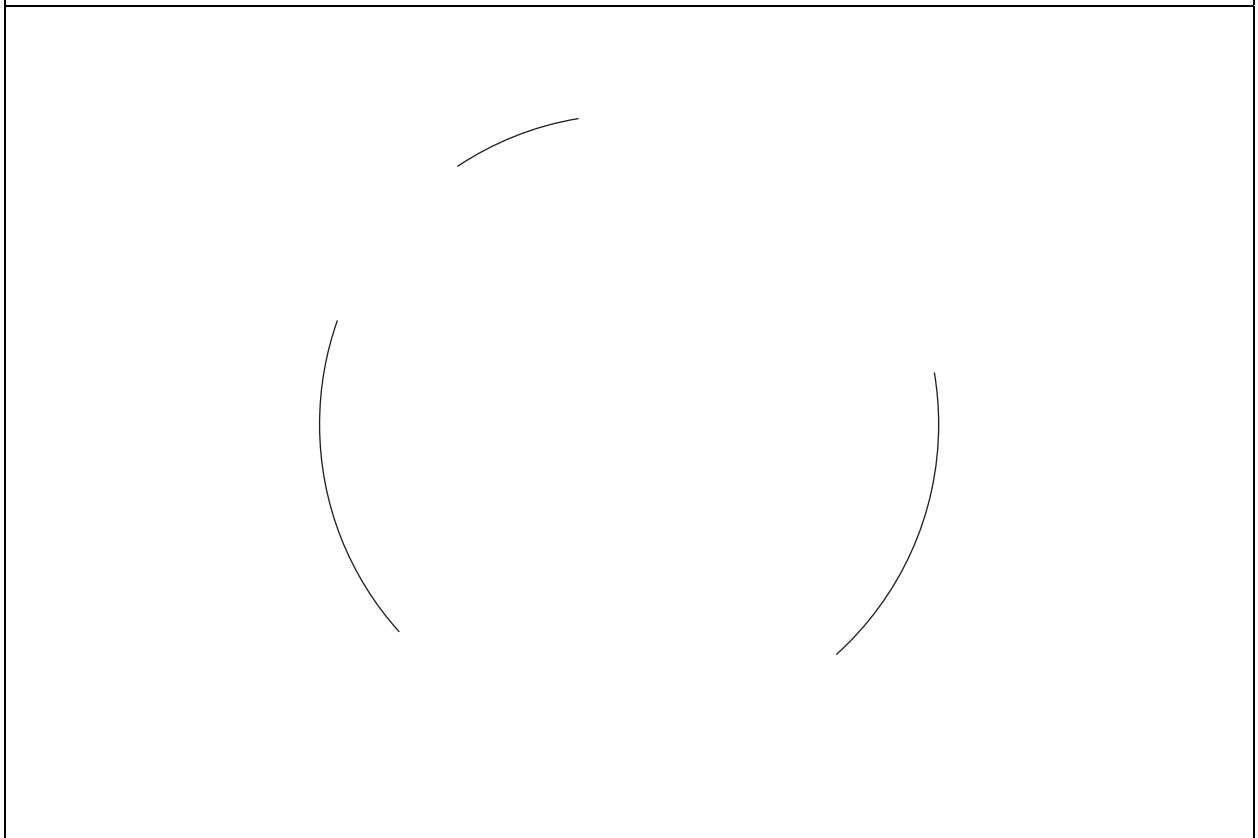
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Construescha cul cerchel e geotrianghel. Copiescha il poligon cun transponer las varts ed ils anghels cul cerchel.



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Co sas ti anflar la verticala centrala dil rudi? Construescha il punct central cul cerchel e geotrianghel. Cumpletescha la lingia circulara.

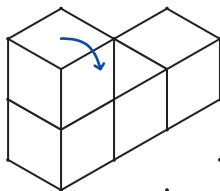


Corps

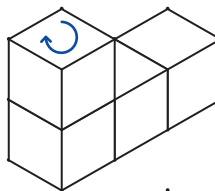
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Derscha ni volva il tgierp en direcziun dil paliet. Dessegna el en la nova posiziun. Ti sas construir il tgierp cun cubus.

1 gada derscher viers dretg



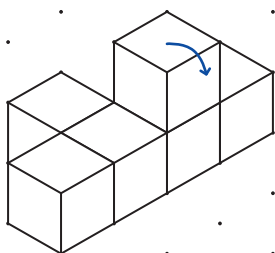
1 gada volver viers seniester



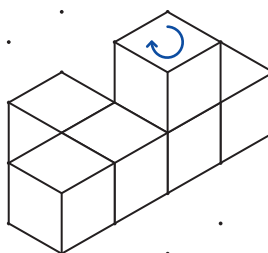
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1 gada derscher viers dretg

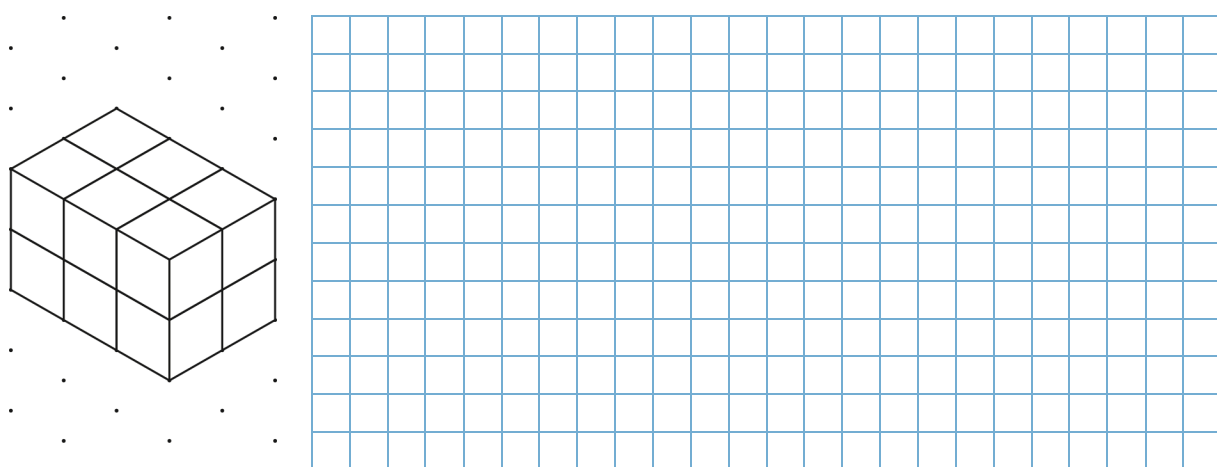


1 gada volver viers seniester
Marchescha ella presentaziun il
quadrel ch'ei buca pli veseivels
sunter la vulvida.



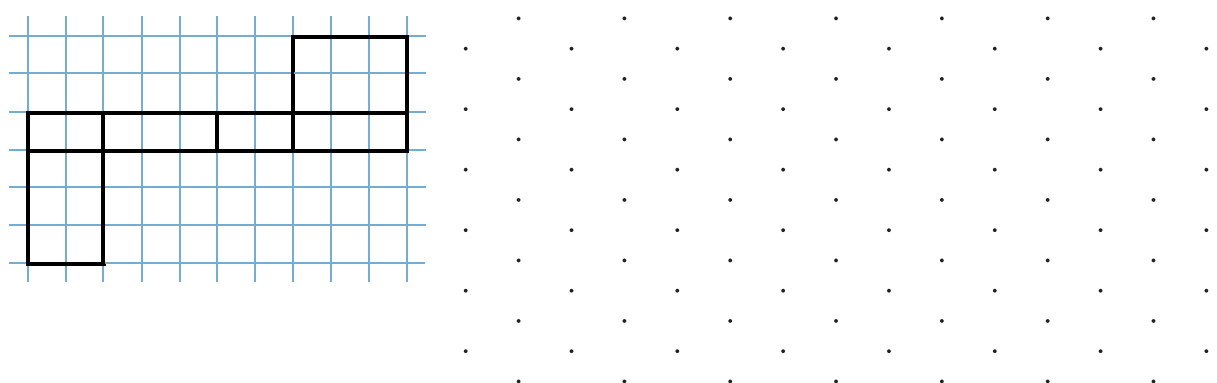
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Dessegna ina reit da quaders sin pupi punctau.



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Dessegna il quader tier la reit sin pupi punctau.



Vestas e plans

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D'in baghetg da cubus ein las duas vestas dalla vart e da surebgiu dadas.
Colurescha ils treis quadrels colurai el baghetg sil pupi cunctau.

da davon	da dretg	da surengiu	

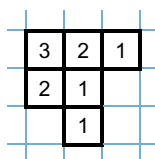
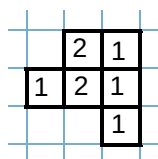
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Tier in baghetg ein ils treis cubus colurai tgietschen. Dessegna las duas vestas dalla vart e da surengiu dils baghetgs ord cubus.

a	da dretg	da davos	da surengiu
da von			
b	da dretg	da davos	da surengiu
da von			

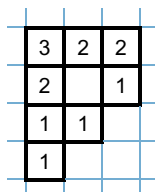
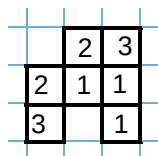
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Dessegna il baghetg sin pupi punctau.



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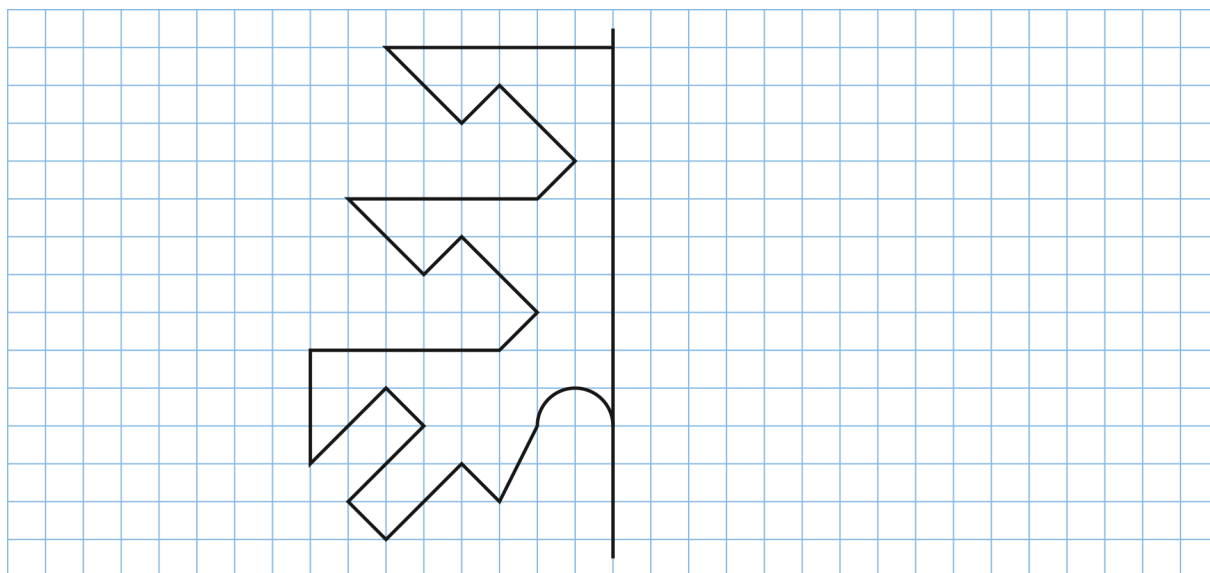
Dessegna il baghetg sin pupi punctau.



Simmetria

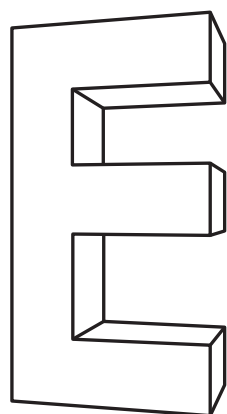
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Dessegna il maletg reflectau a maun.



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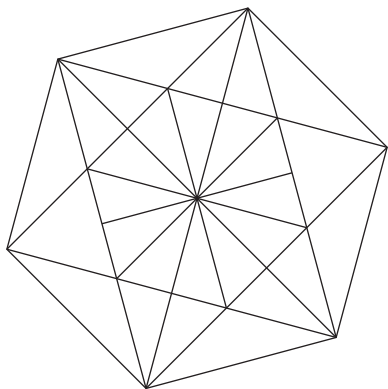
Dessegna il maletg reflectau a maun.



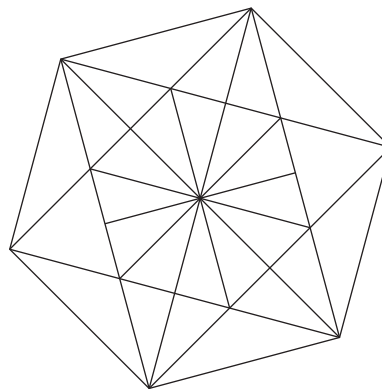
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Colurescha il maletg aschia ch'el ha las qualitäts dadas.

simmetric sin in'axa:
1 axa da simmetria



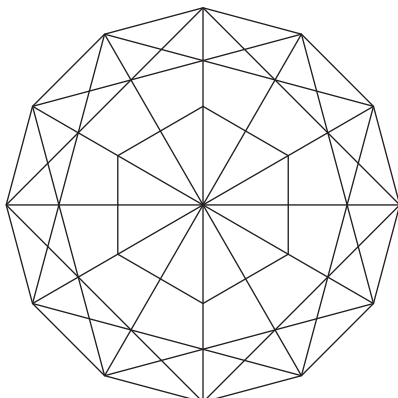
simmetric da rotaziun:
anghel da rotaziun 180°



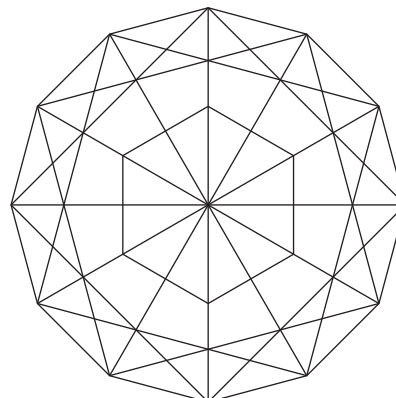
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Colurescha il maletg aschia ch'el ha las qualitäts dadas.

simmetric sin in'axa:
2 axas da simmetria



simmetric da rotaziun: anghel da rotaziun
 60° , buca simmetrics d'ina axa



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Dessegna in parchet regular cun la figura da basa.

