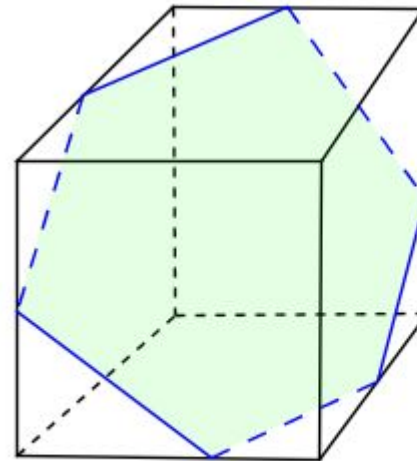
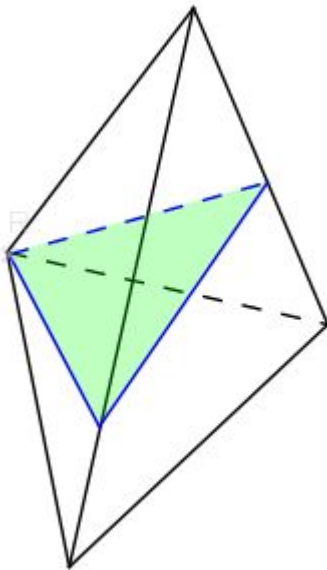


Daudzskaldņa šķēlums ar plakni

11.klase

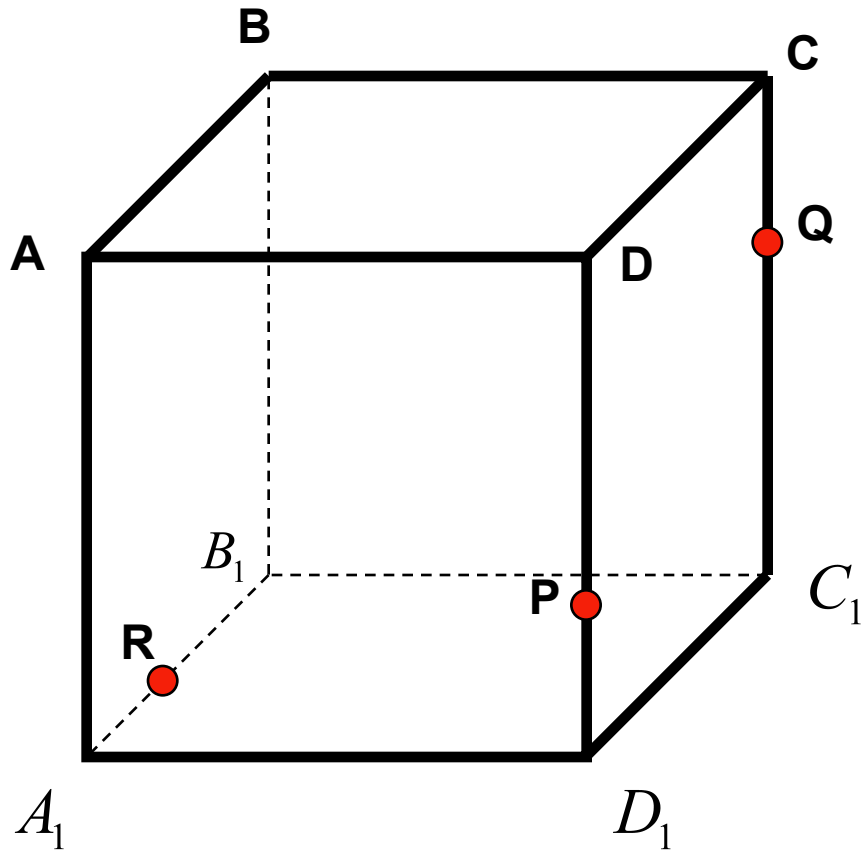
- Par telpiska **ķermeņa šķēlumu** sauc plaknes un ķermeņa kopīgo daļu

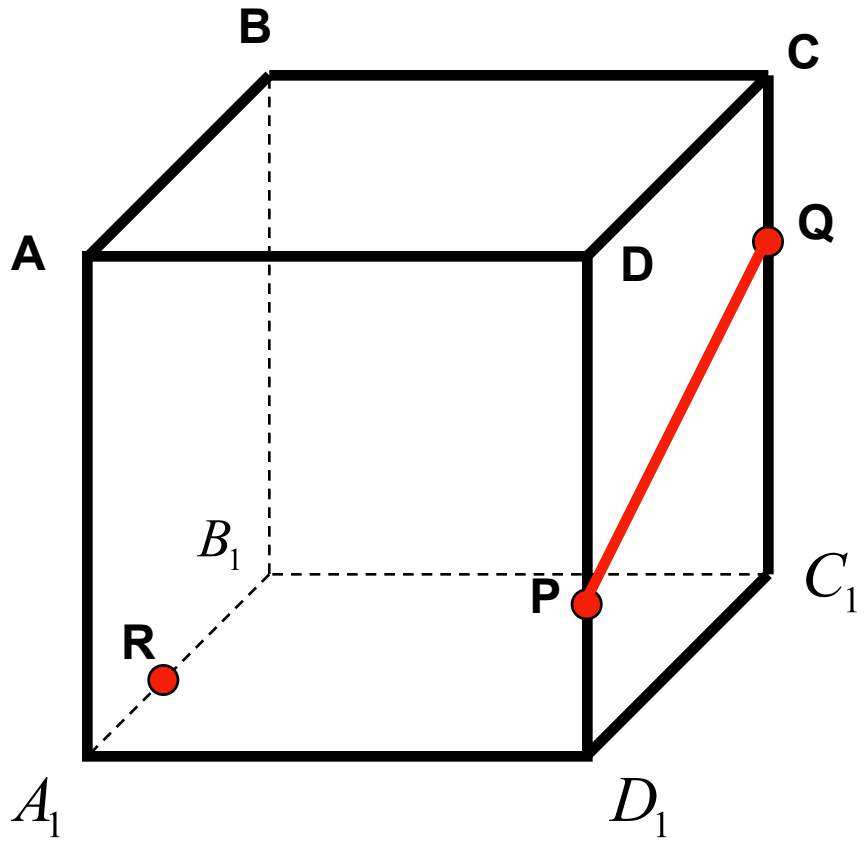


Īpašības

1. Ja divi punkti pieder šķēluma plaknei, tad taisne, kas novilkta caur šiem punktiem, arī pieder šķēluma plaknei.
2. Ja taisne pieder šķēluma plaknei, tad katrs tās punkts pieder šķēluma plaknei.
3. Ja šķēlums iet caur vienu no paralēlām plaknēm, tad tas šķeļ arī otru plakni, un šķēluma līnijas paralēlajās plaknēs ir paralēlas.

Konstruē kuba $ABCD A_1 B_1 C_1 D_1$
šķēlumu ar plakni, ja tā iet caur
punktiem R, P, Q

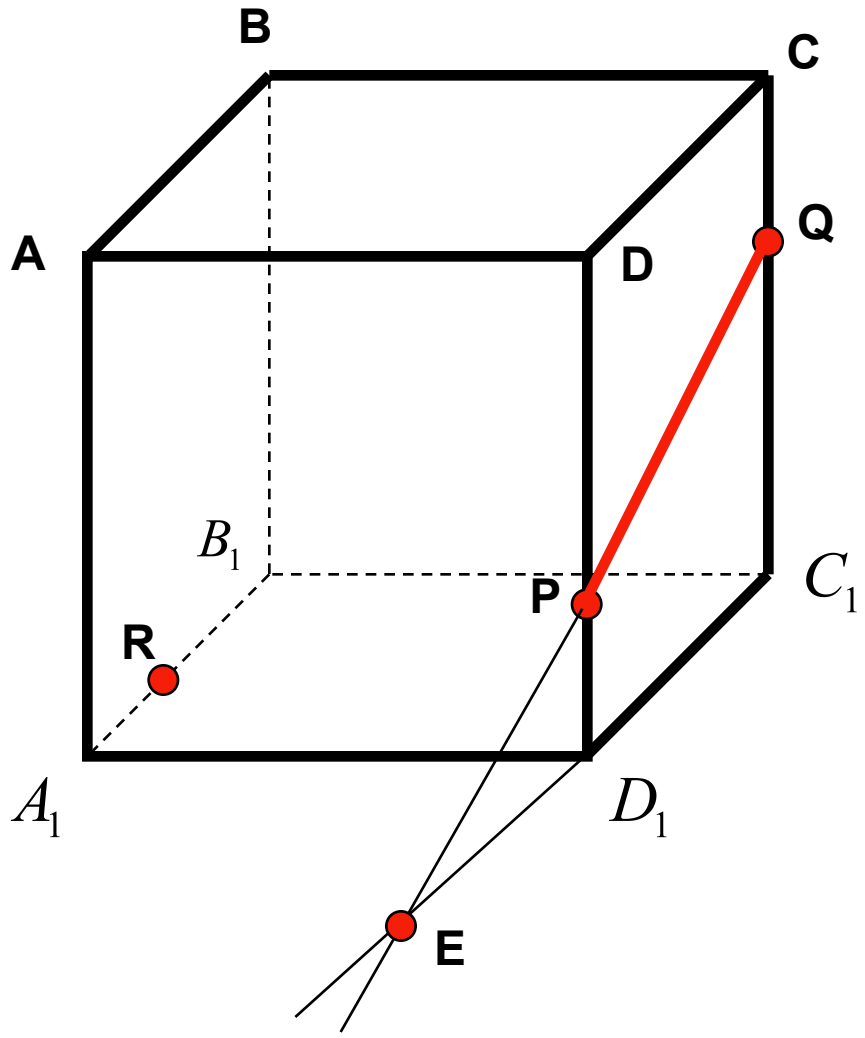




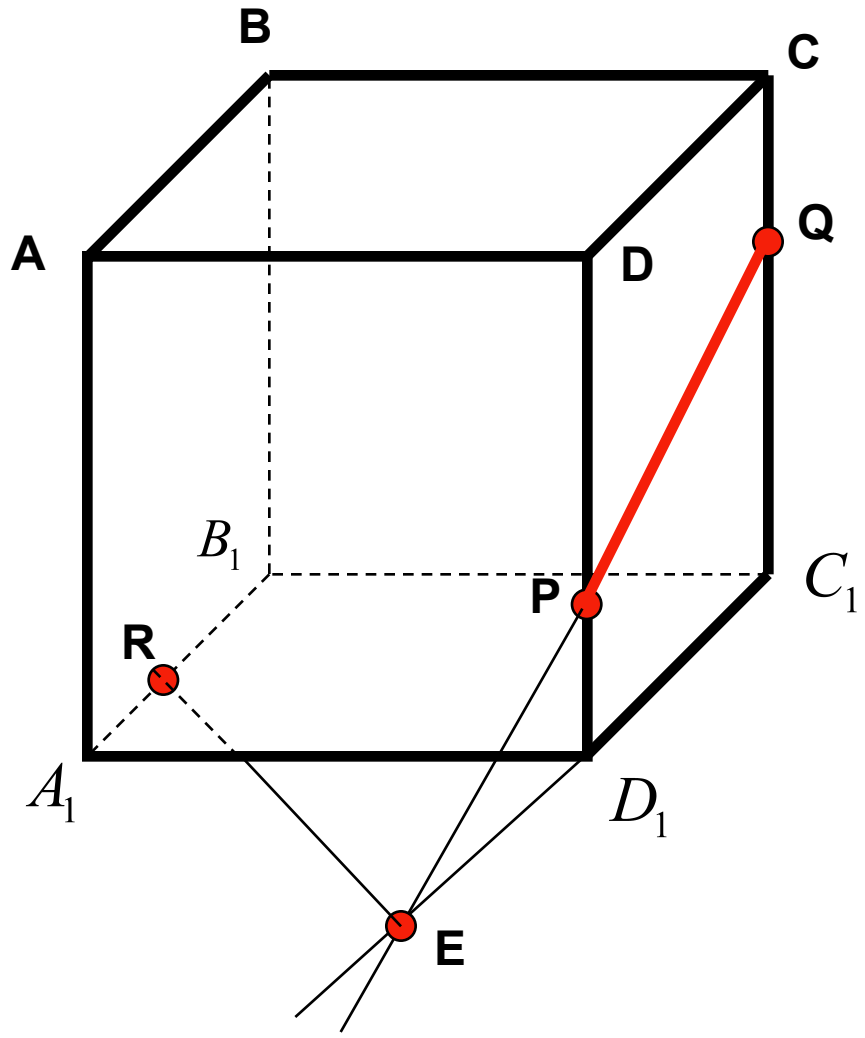
$$P \in DCC_1D_1$$

$$Q \in DCC_1D_1$$

$$PQ \in DCC_1D_1$$



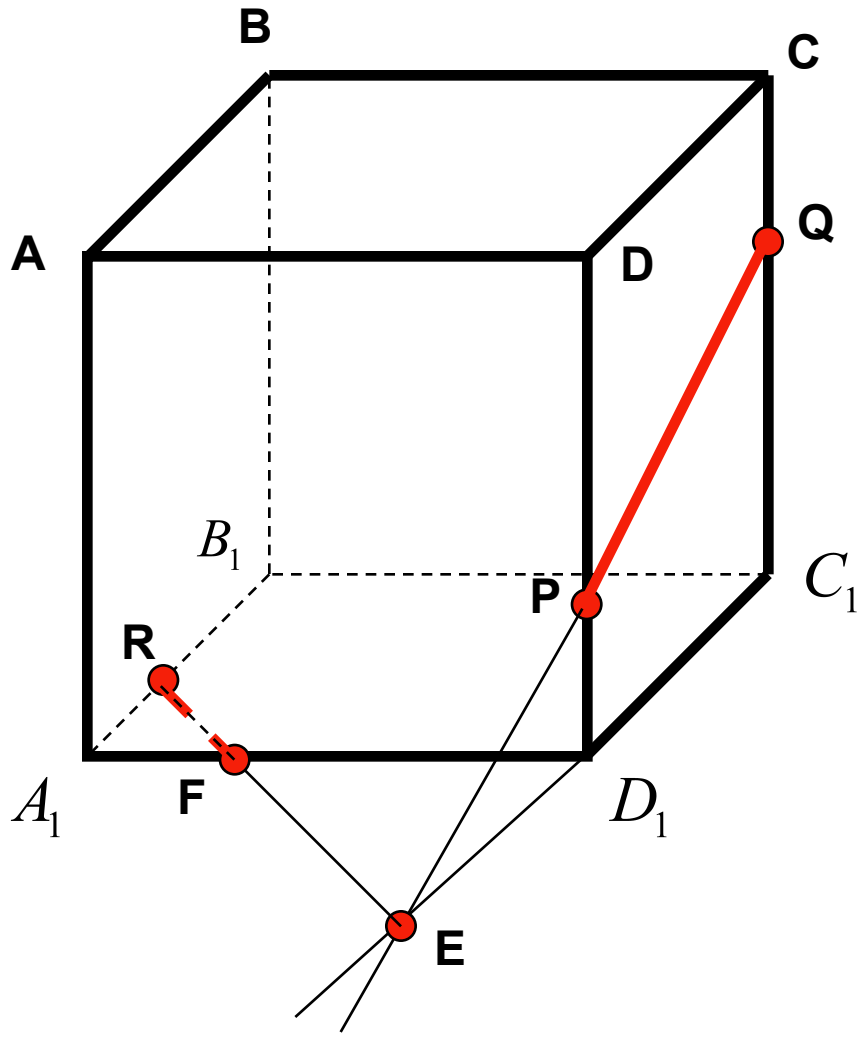
$$PQ \cap D_1C_1 = E$$



$$R \in A_1B_1C_1D_1$$

$$E \in A_1B_1C_1D_1$$

$$ER \in A_1B_1C_1D_1$$

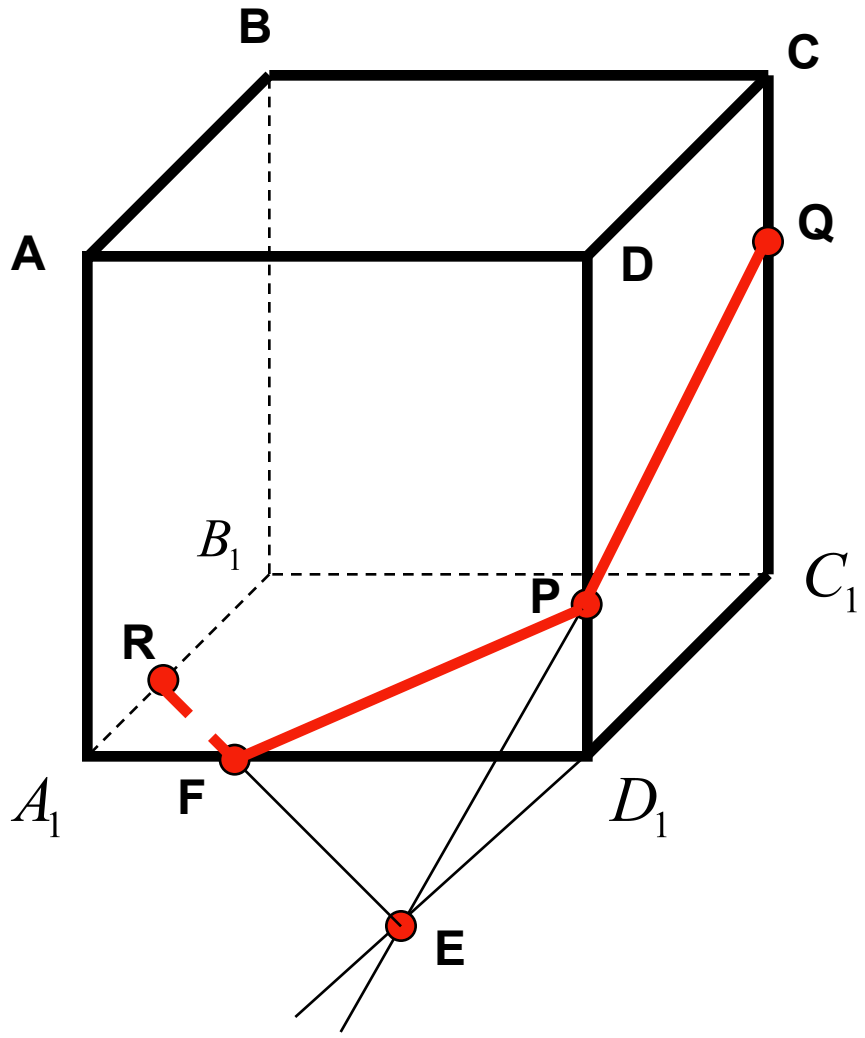


$$F = A_1D_1 \cap RE$$

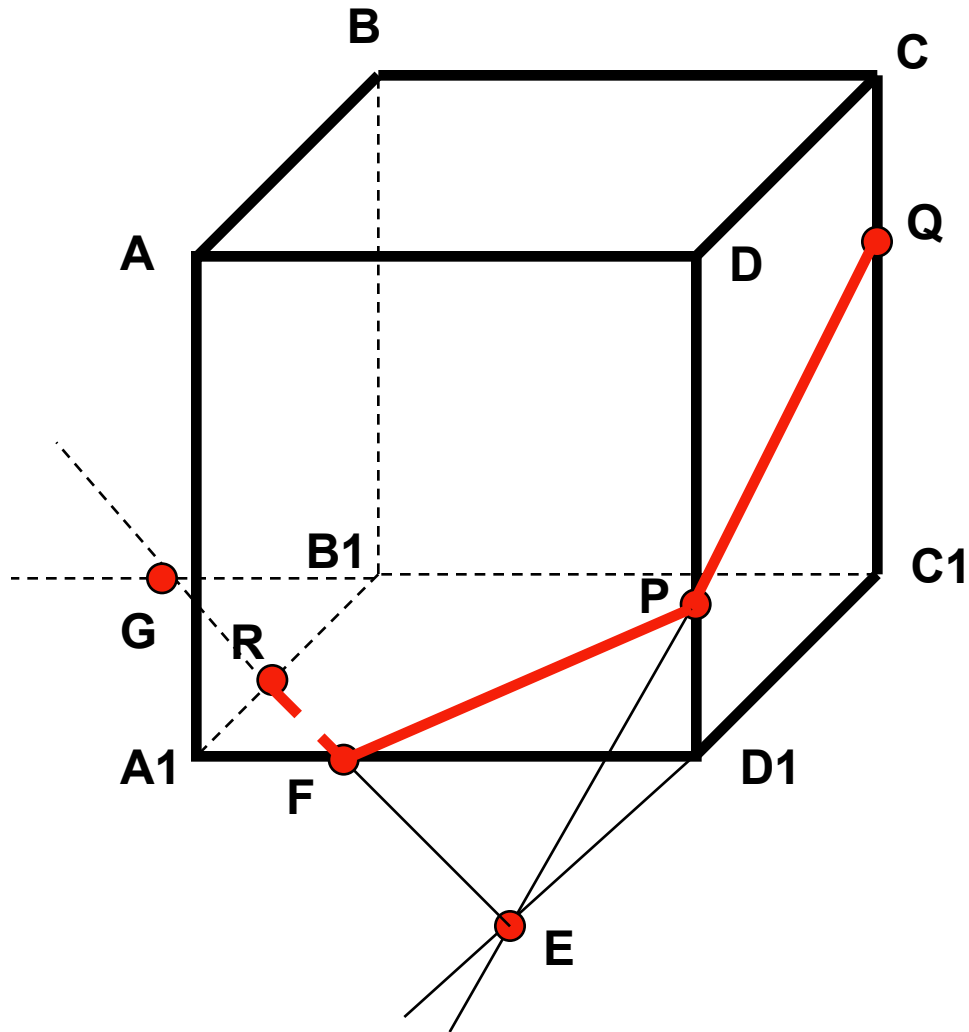
$$R \in A_1B_1C_1D_1$$

$$F \in A_1B_1C_1D_1$$

$$FR \in A_1B_1C_1D_1$$



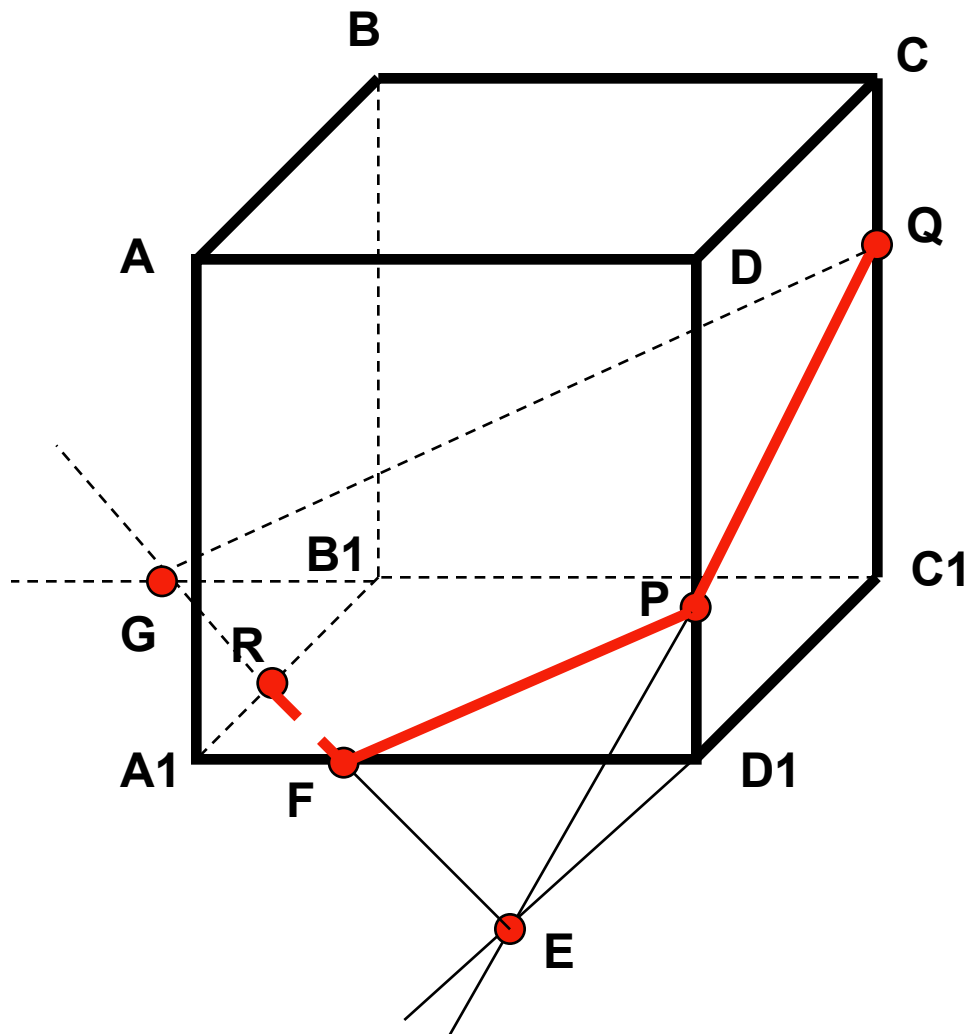
$F \in A_1ADD_1$
 $P \in A_1ADD_1$
 $FP \in A_1ADD_1$



$$FR \in A_1B_1C_1$$

$$C_1B_1 \in A_1B_1C_1$$

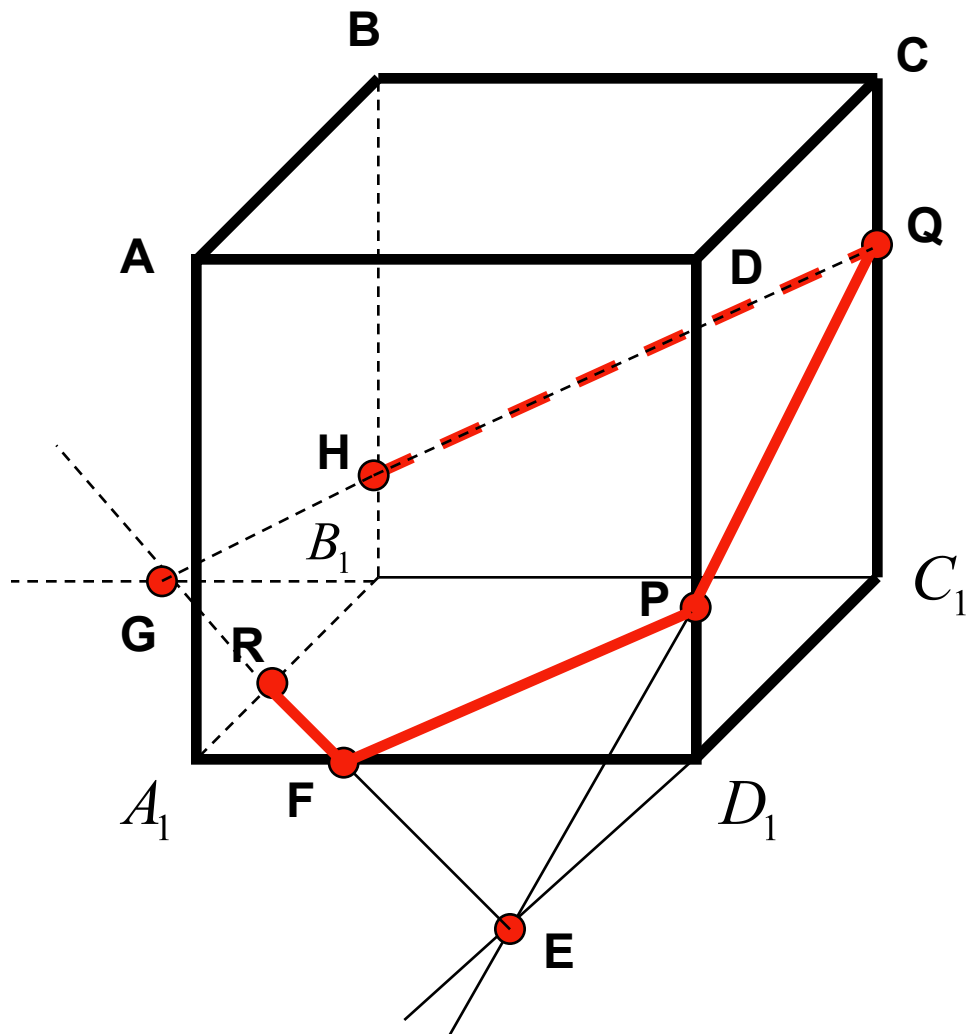
$$FR \cap C_1B_1 = G$$



$$G \in B_1BCC_1$$

$$Q \in B_1BCC_1$$

$$QG \in B_1BCC_1$$

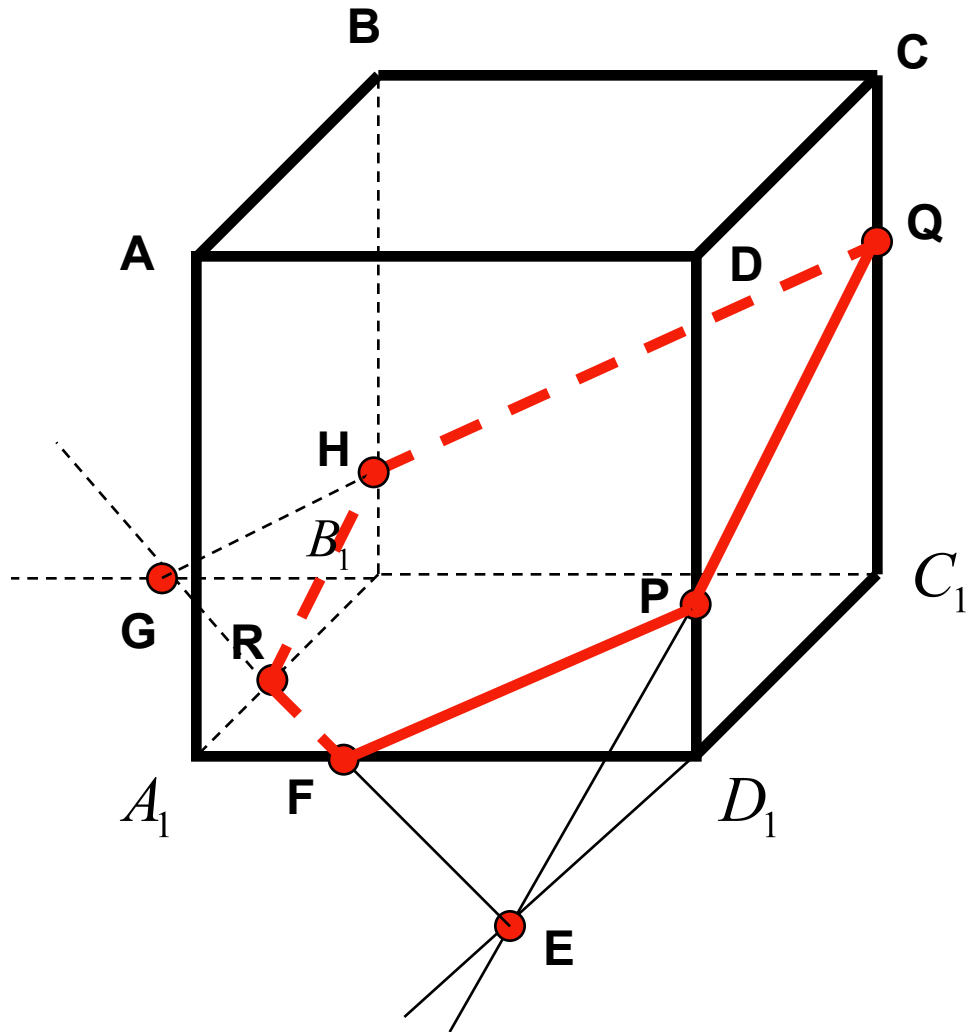


$$H = BB_1 \cap QG$$

$$H \in BCC_1B_1$$

$$Q \in BCC_1B_1$$

$$QH \in BCC_1B_1$$

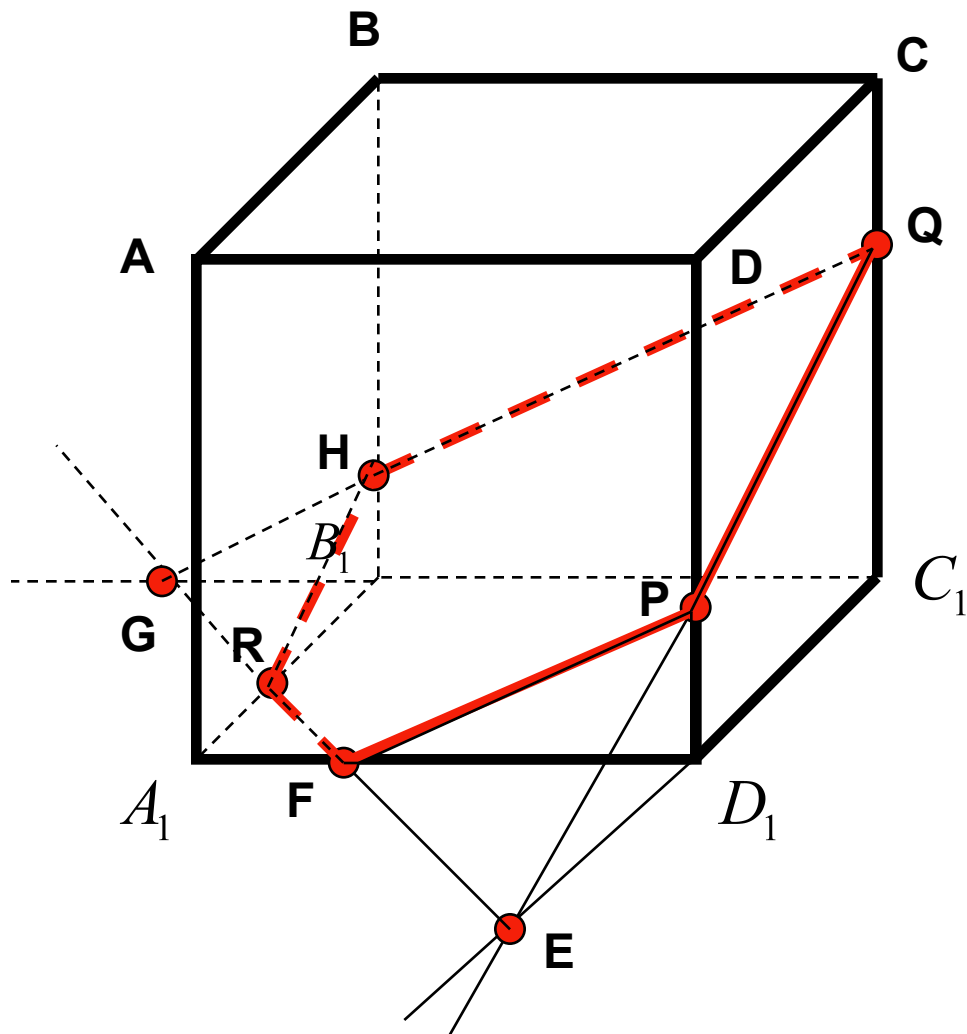


$$H \in A_1B_1BA$$

$$R \in A_1B_1BA$$

$$RH \in A_1B_1BA$$

legūts plaknes un kuba šķēlums
ar plakni-QPFRH



Piemēri. Vai ir pareizi?

