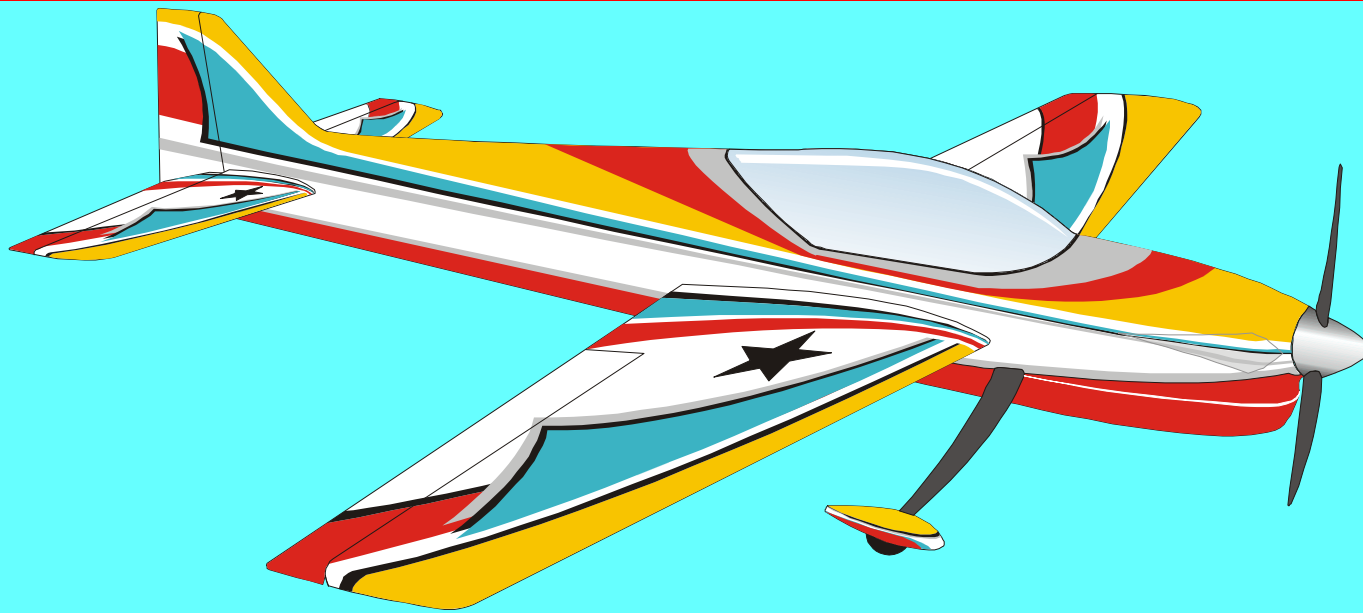


Letenje in sojenje F3A

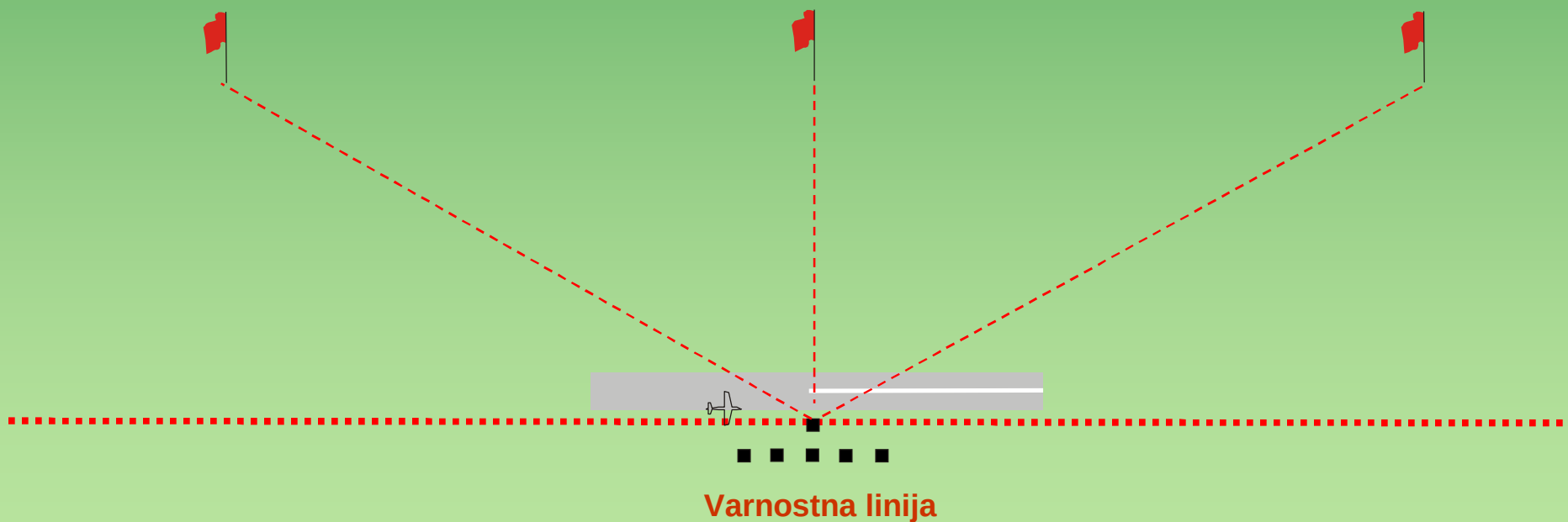


SHEMATSKI PRIKAZ IZVAJANJA FIGUR
PROGRAM P-13



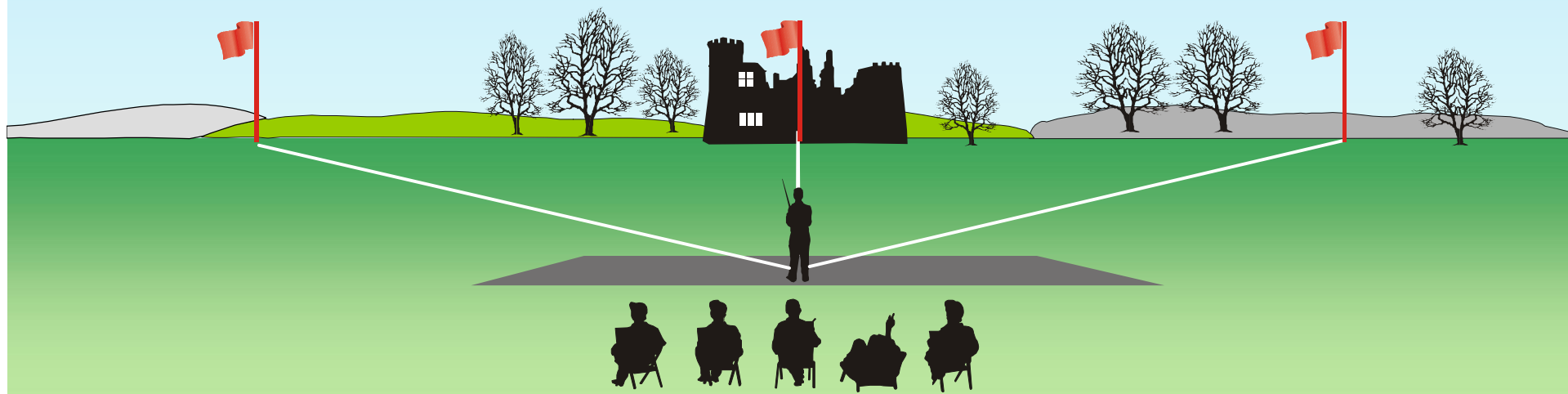
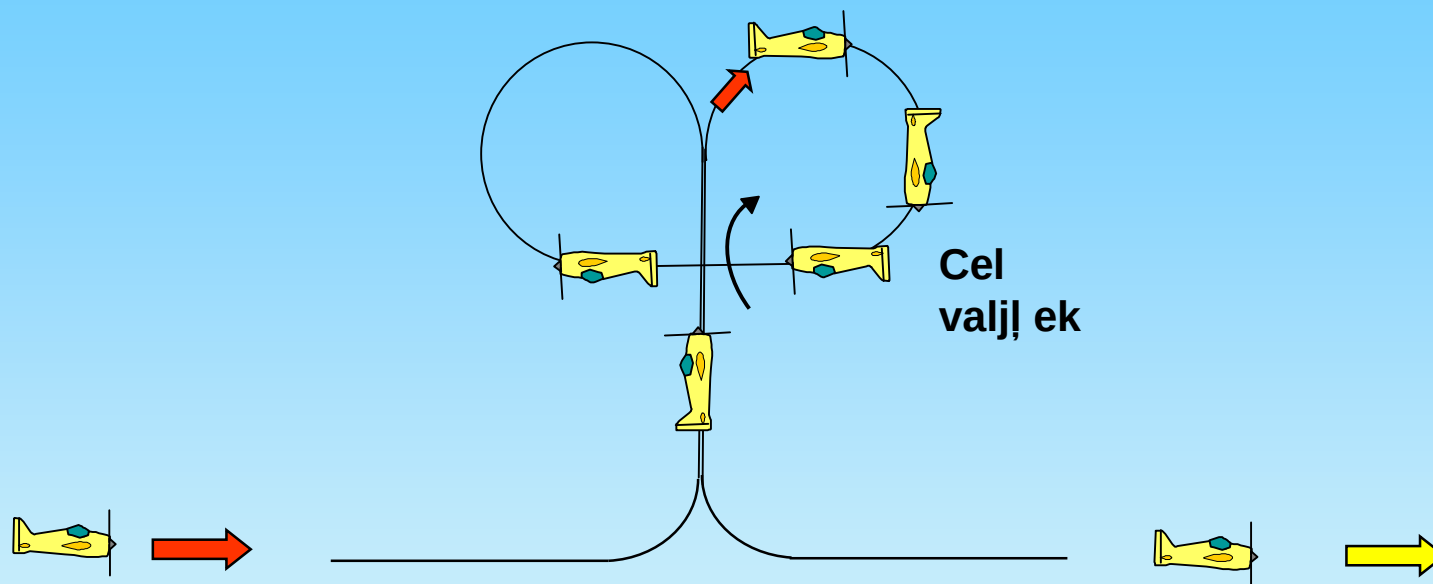
Vzletna procedura (ni ocenjena)

← veter



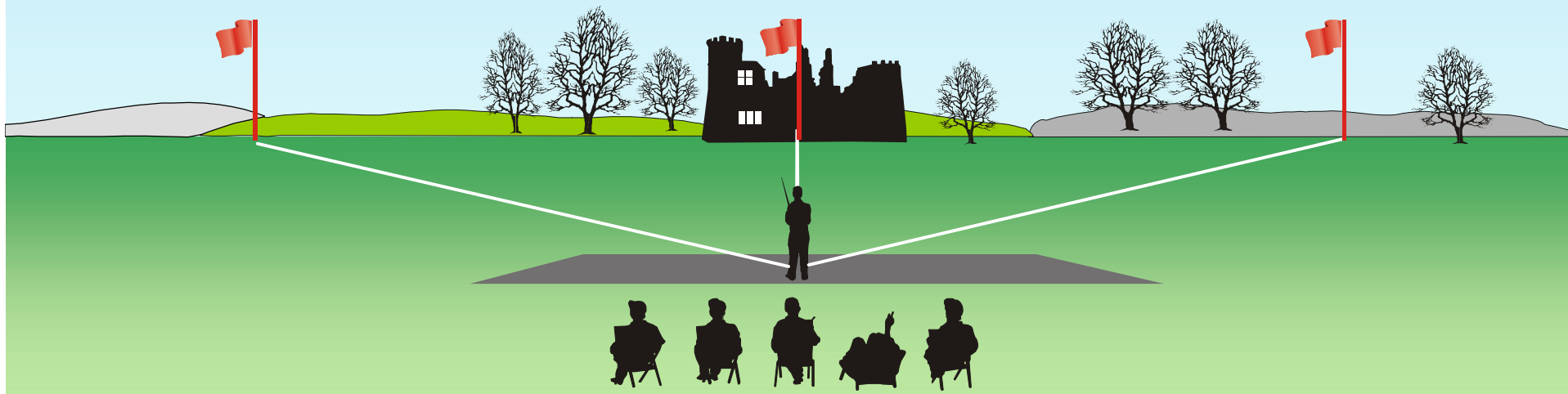
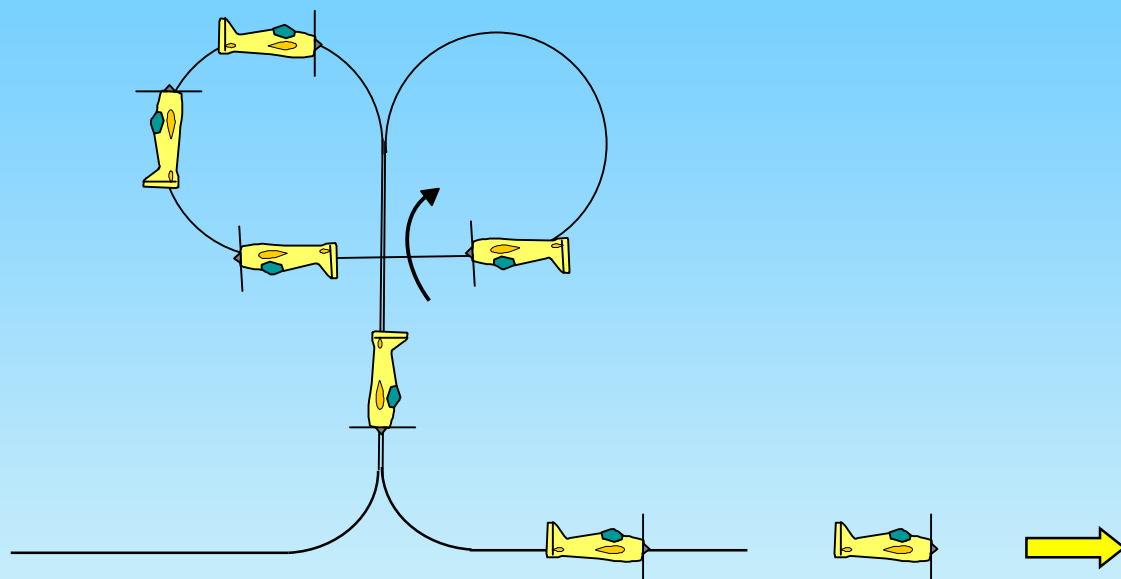


P-13.01: Polovica deteljice z valj! kom





P-13.01: Polovica deteljice z valj! kom

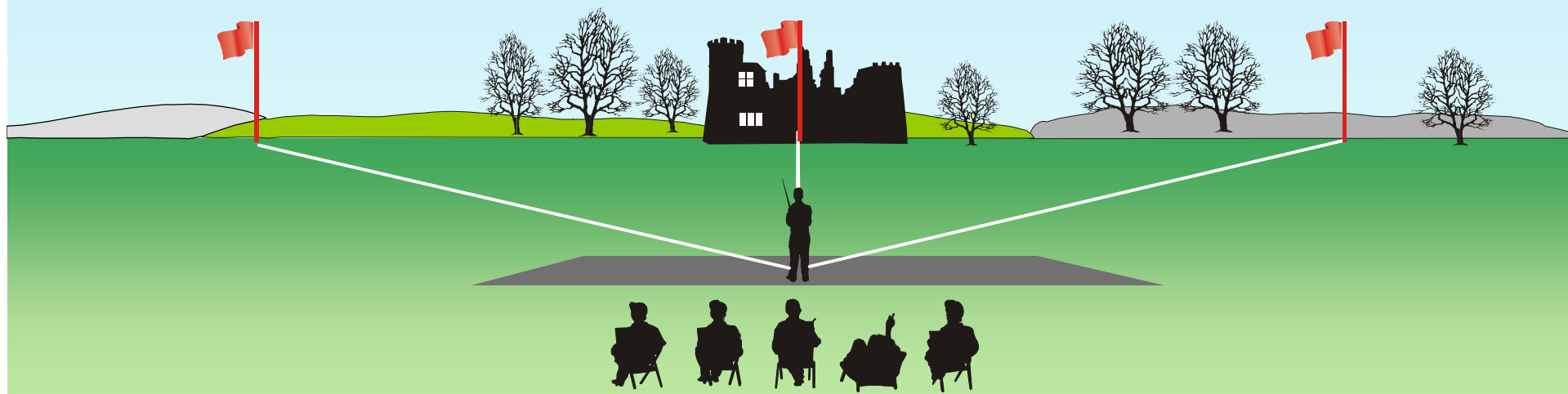




P-13.01: Polovica deteljice z valjkom

Vsi radiji enaki.

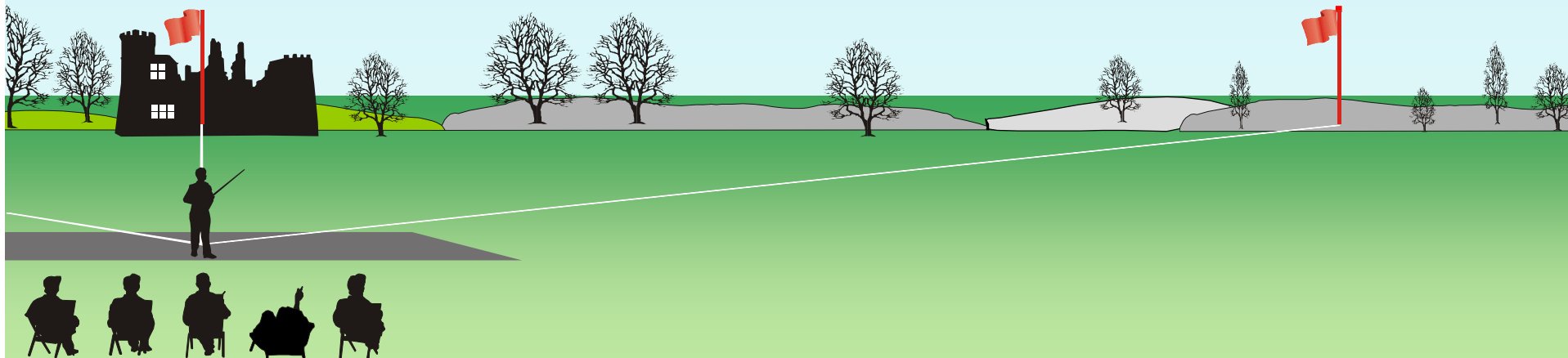
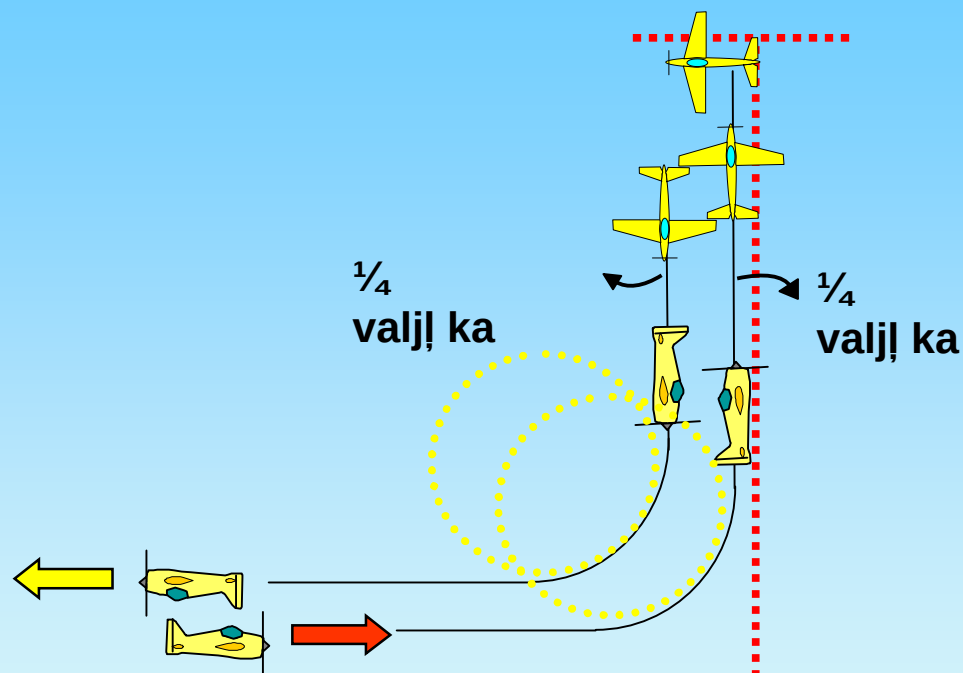
Valjček v sredini linije





P-13.02: Premet, $\frac{1}{4}$ valj! ka gor, $\frac{1}{4}$ valj! ka dol

Vsi radiji enaki.

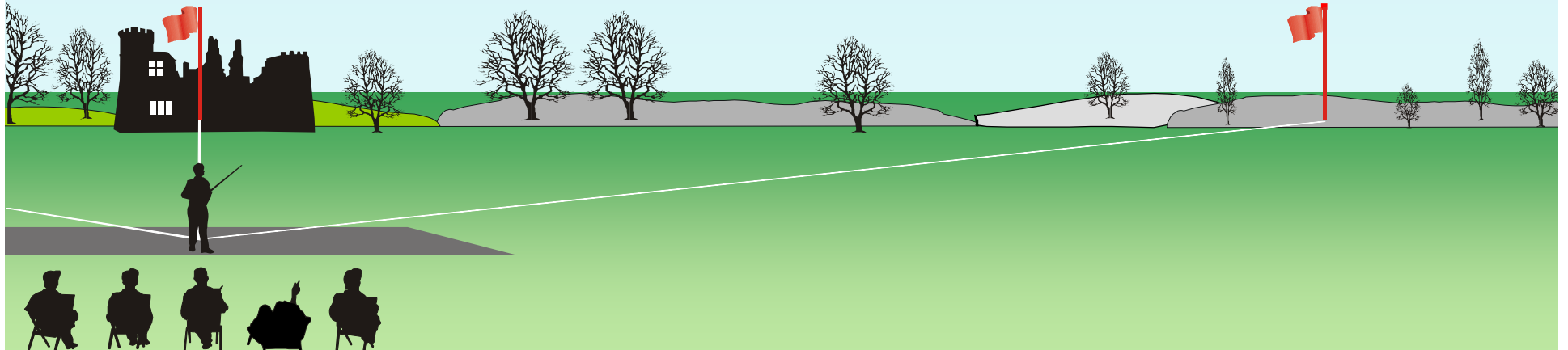




Dva razpona kril ali veĭ i niĭ toĭ k!

$\frac{1}{4}$ valj, ka v sredini linije.

$\frac{1}{4}$ valji ka

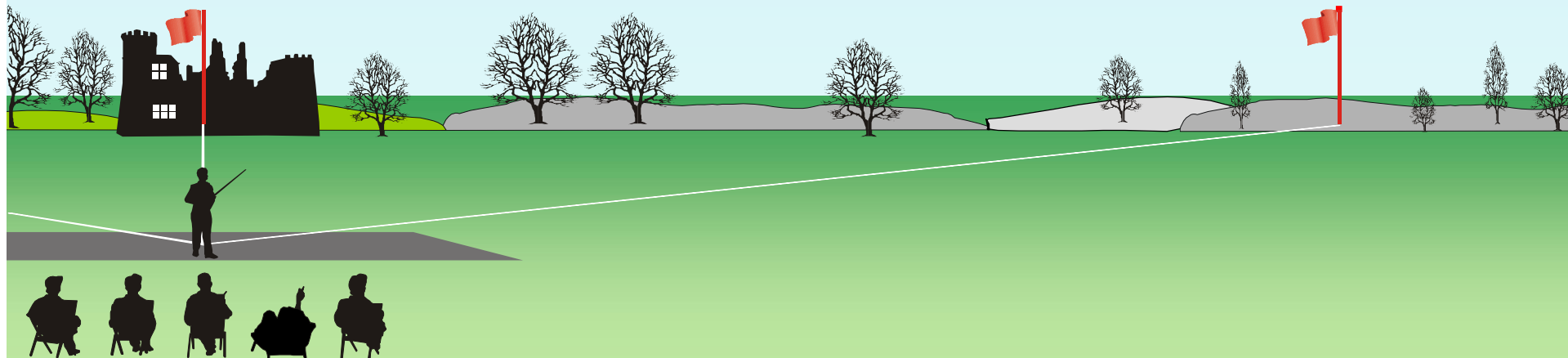
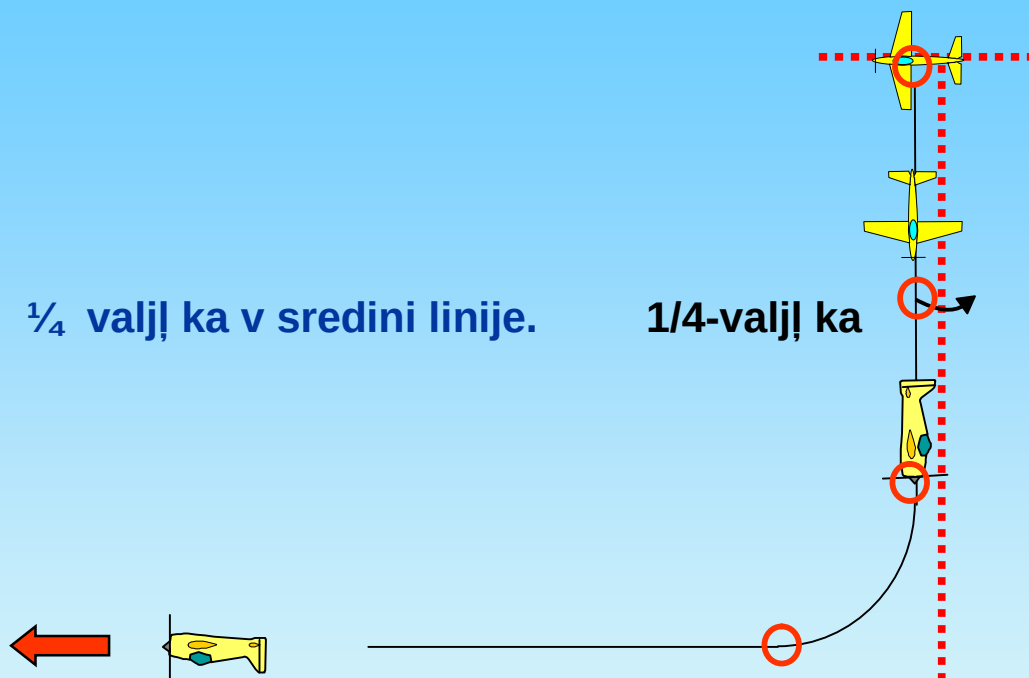




P-13.02: Premet, $\frac{1}{4}$ valj ka gor, $\frac{1}{4}$ valj ka dol

$\frac{1}{4}$ valj ka v sredini linije.

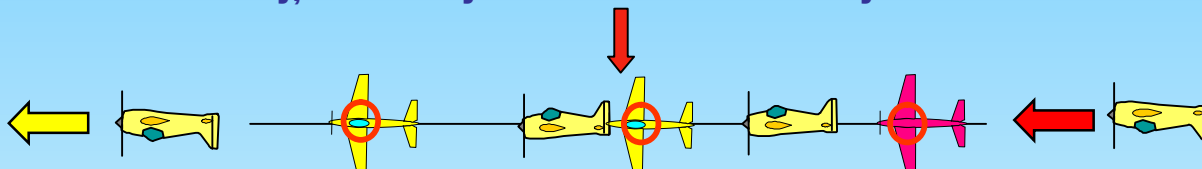
$\frac{1}{4}$ -valj ka





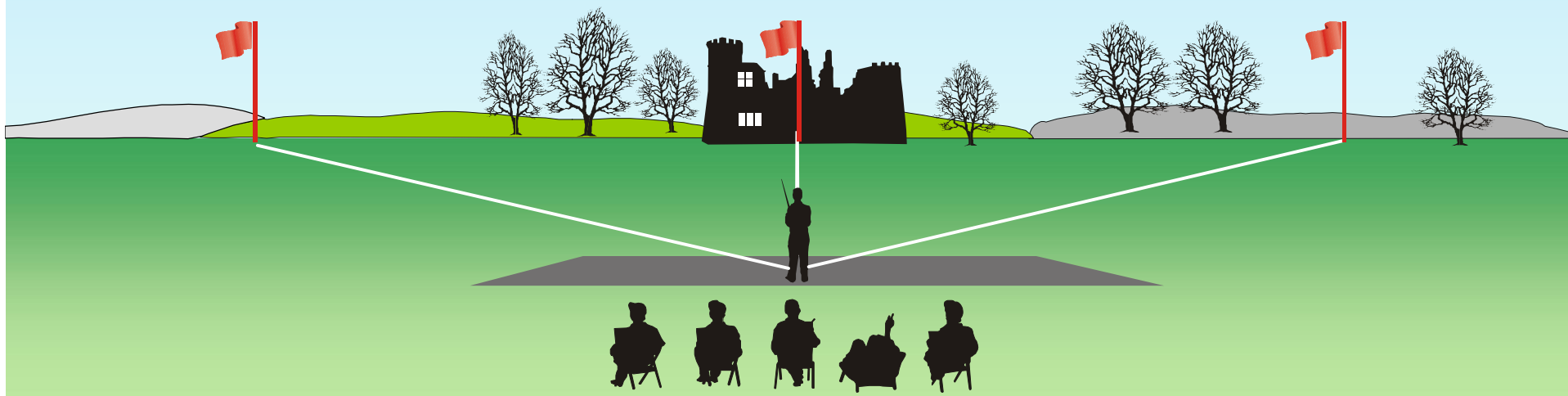
P-13.03: Sosledje treh $\frac{1}{4}$ valj kov v eno in drugo smer

$\frac{1}{4}$ valj ka narejene z enako hitrostjo.



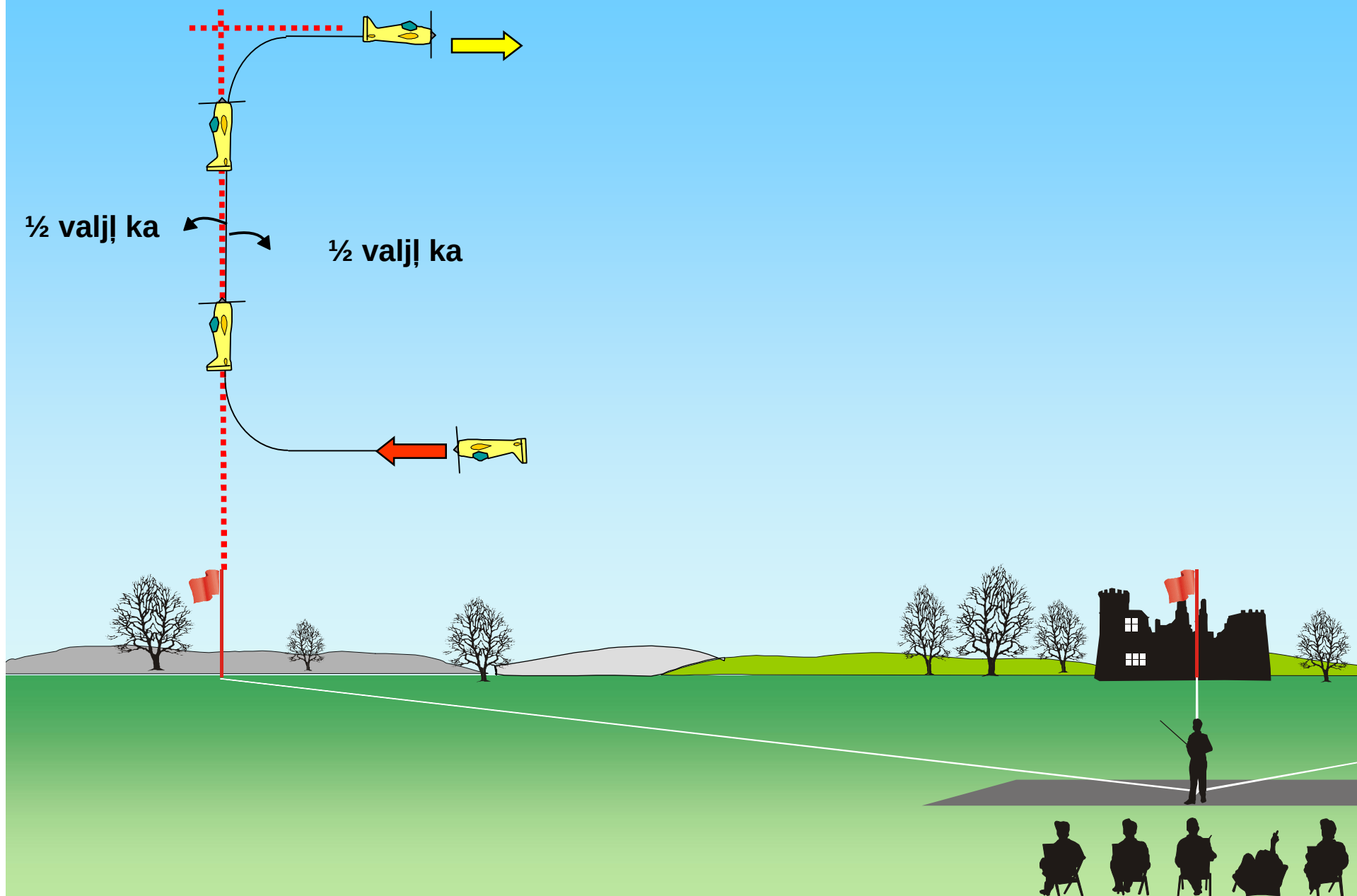
Linije med posameznimi deli valj kov enako dolge.

Med spremembo smeri vrtenja valj kov brez linije.



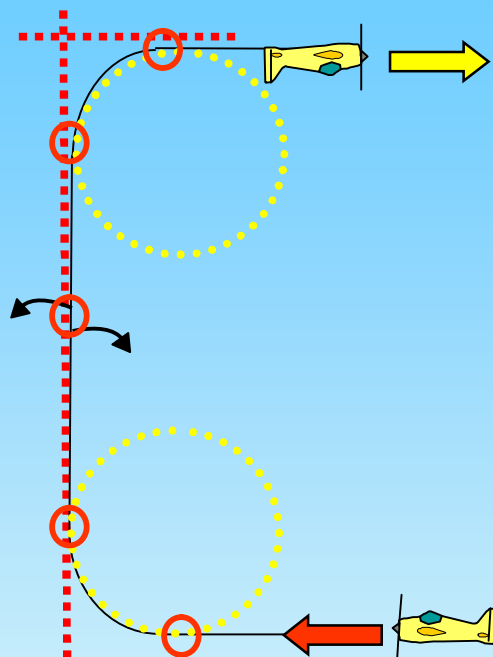


P-13.04: Pol kvadratnega lupinga z $\frac{1}{2}$ valj! ka protismerno





P-13.04: Pol kvadratnega lupinga z $\frac{1}{2}$ valj! ka protismerno

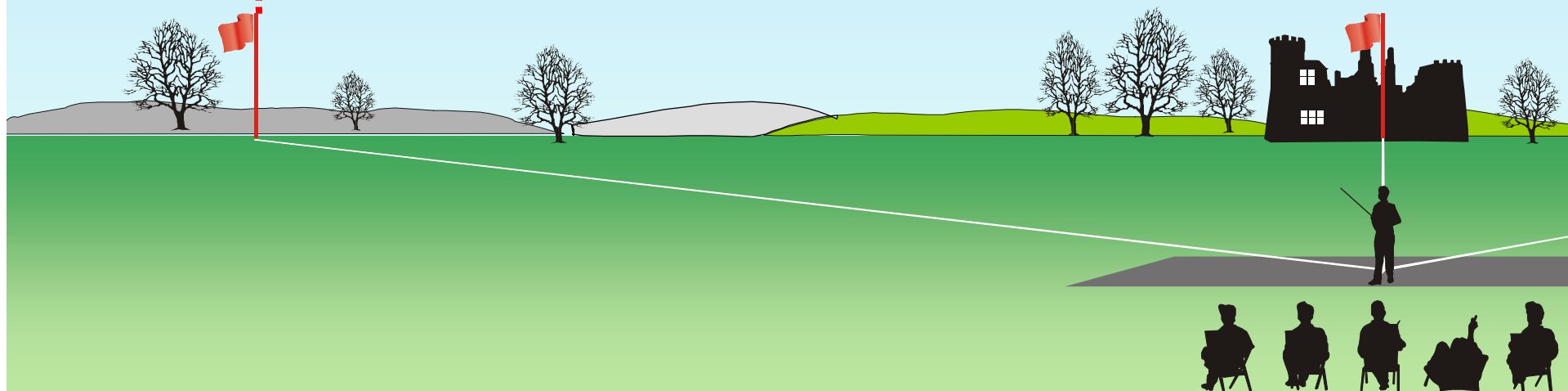


$\frac{1}{2}$ valj! kov na sredini
linije.

Obe polovici valj! ka z enako
hitrostjo.

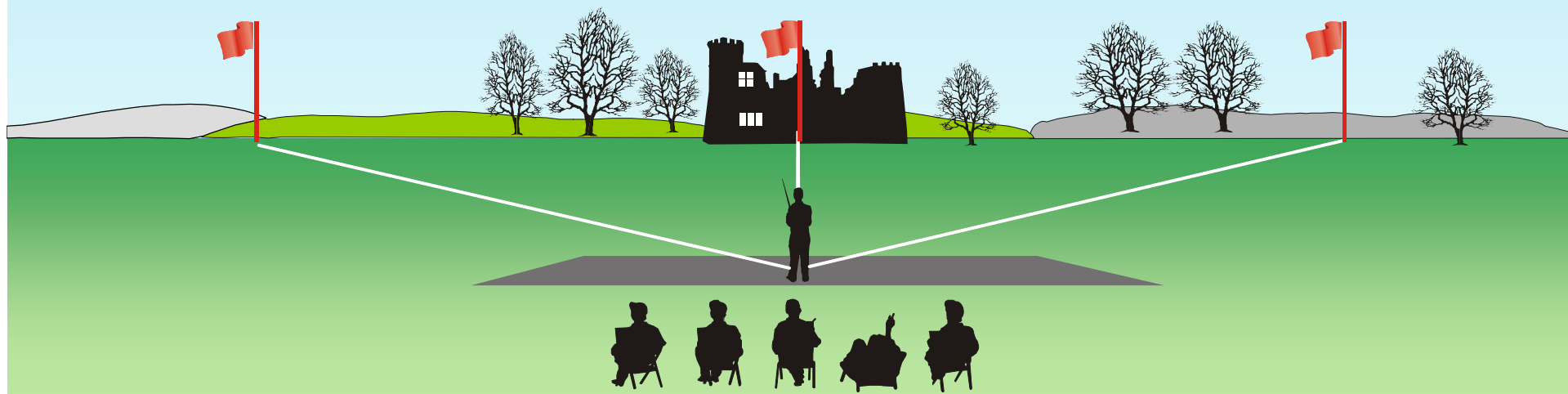
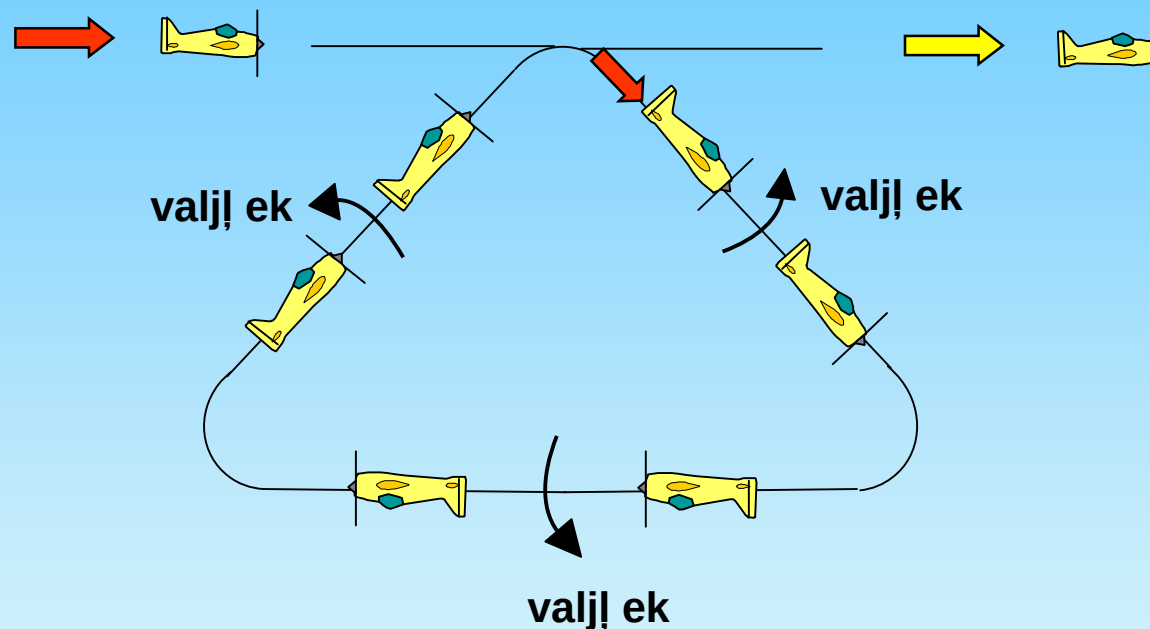
Brez linije med valj! koma.

Enaka radija.



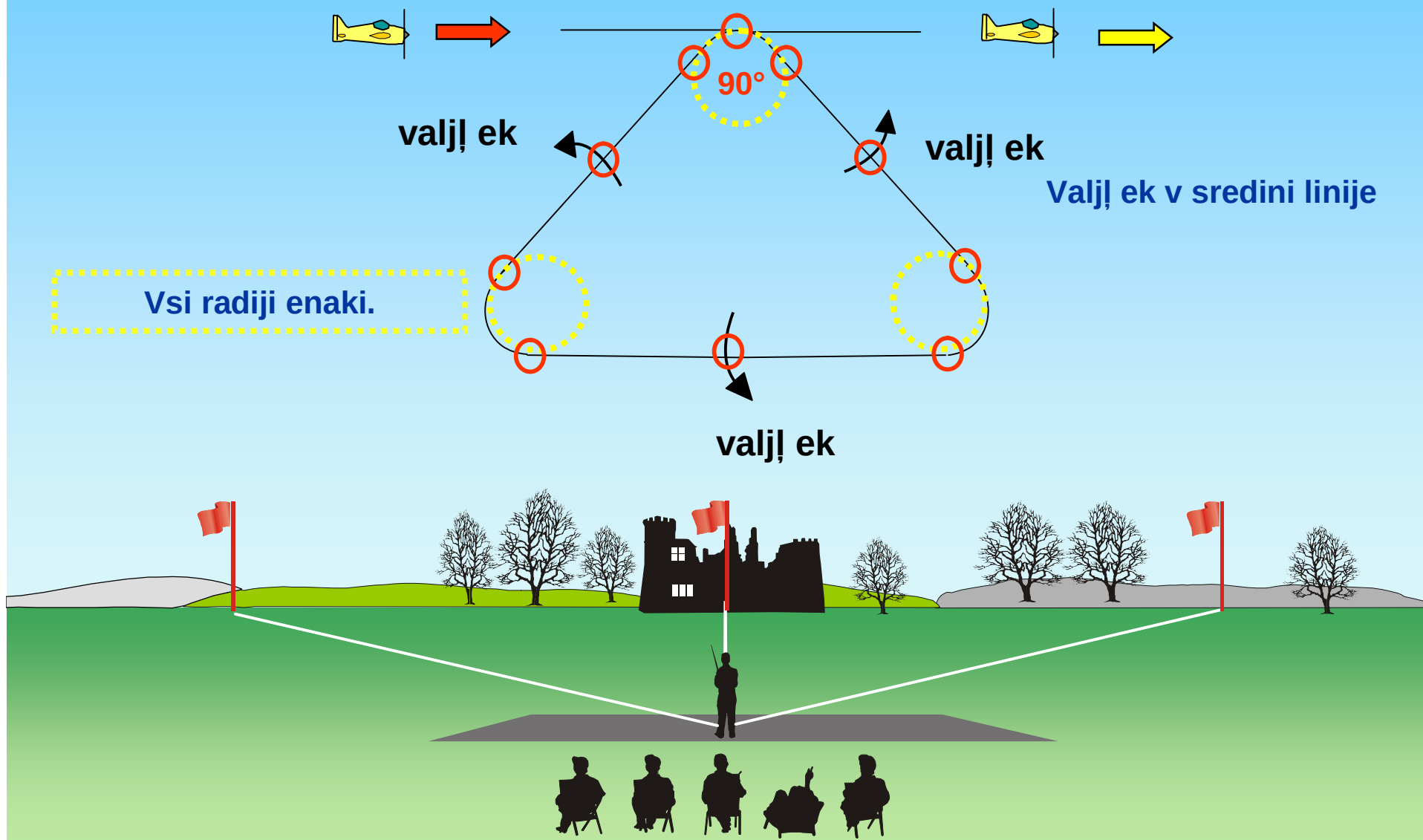


P-13.05: Trikotnik z valj! ki na vsaki liniji.





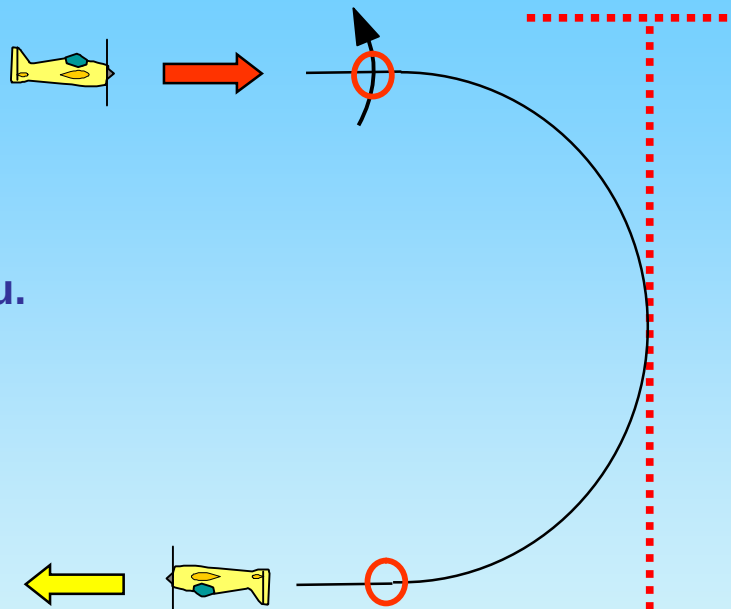
P-13.05: Trikotnik z valj ki na vsaki liniji.



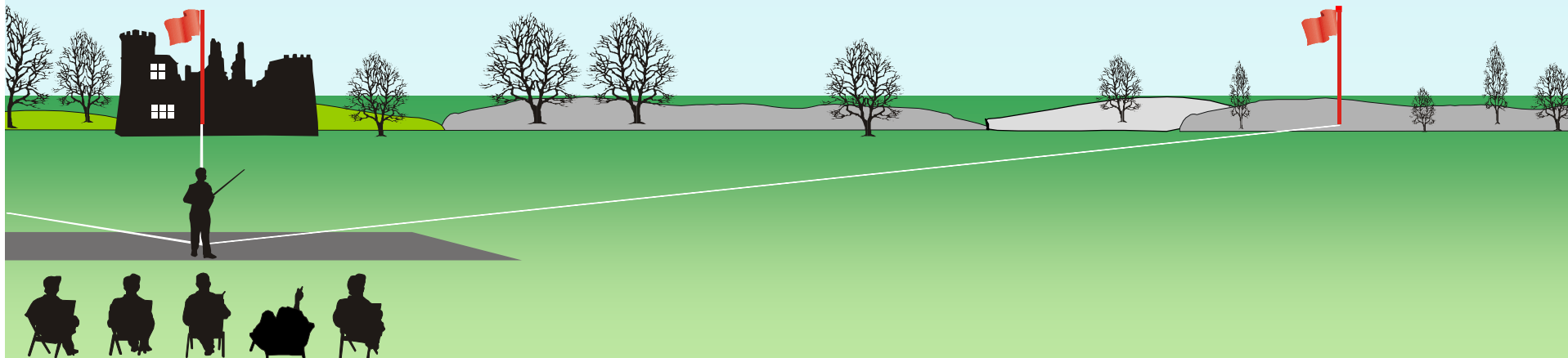


P-13.06: Pol negativnega lupinga z vstopnim valj! kom.

Valj! ek

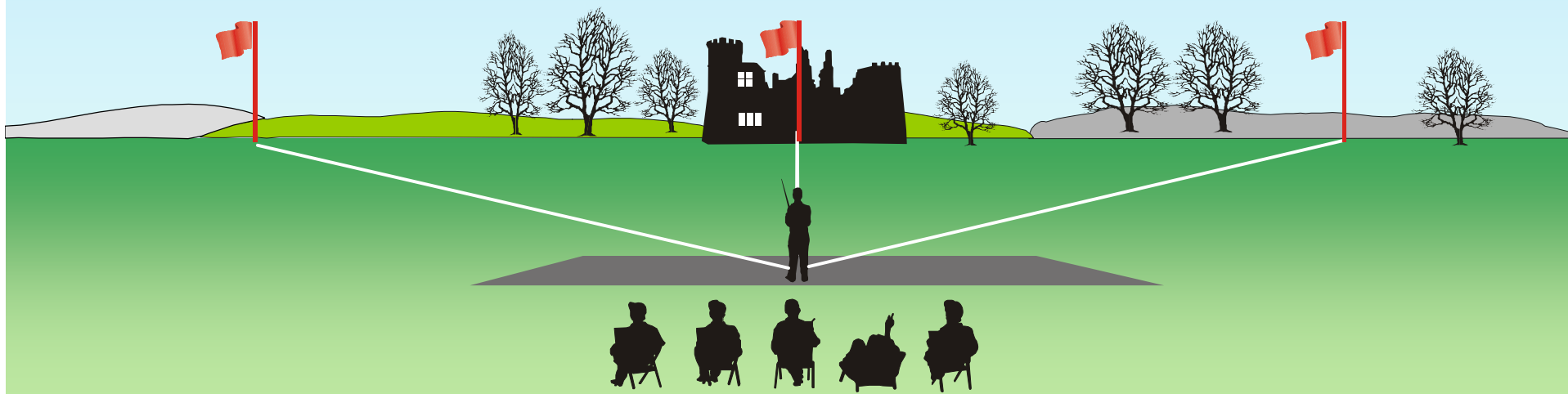
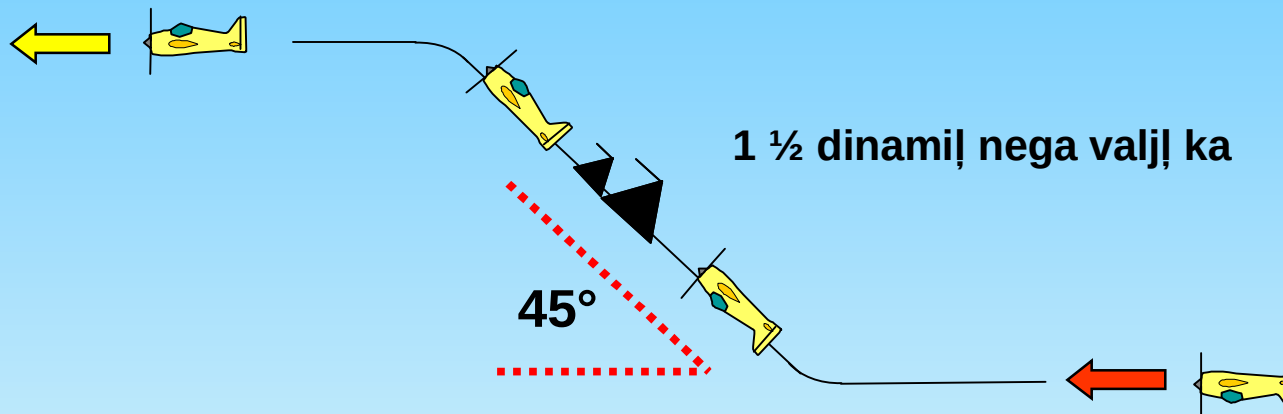


Pol lupinga takoj po valj! ku.



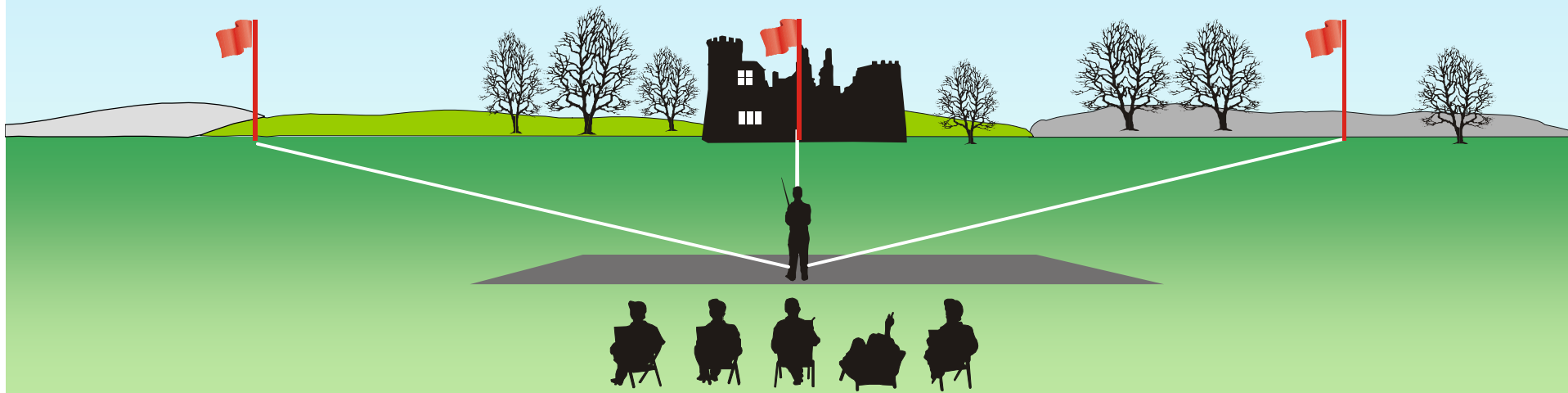
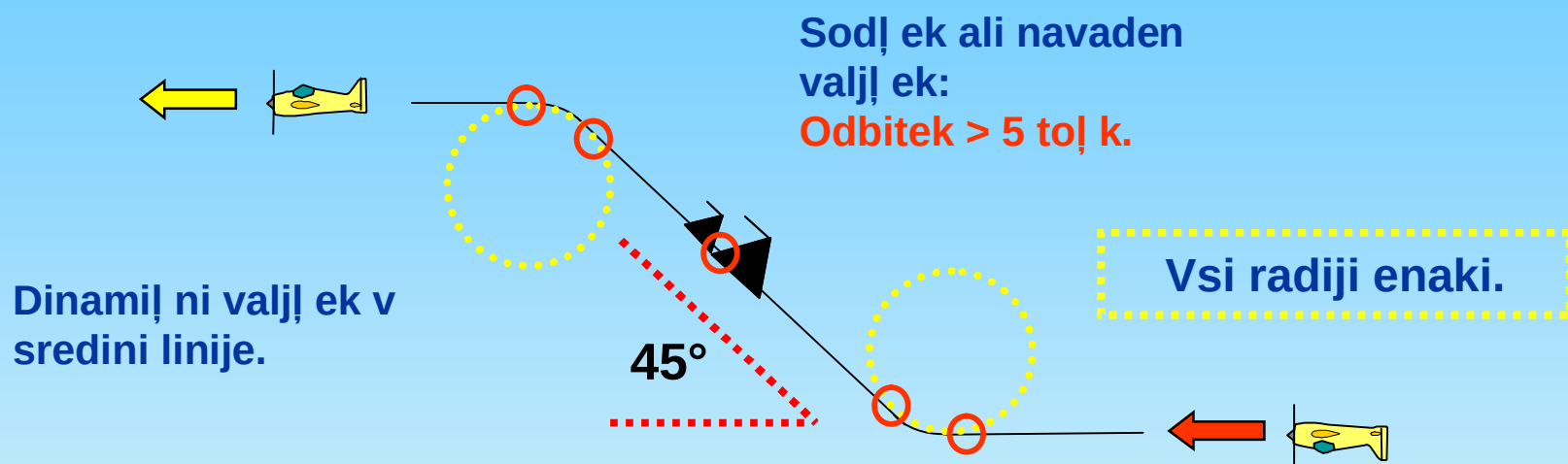


P-13.07: 45° Vzpon z 1 ½ dinamiļ nega valļļ ka



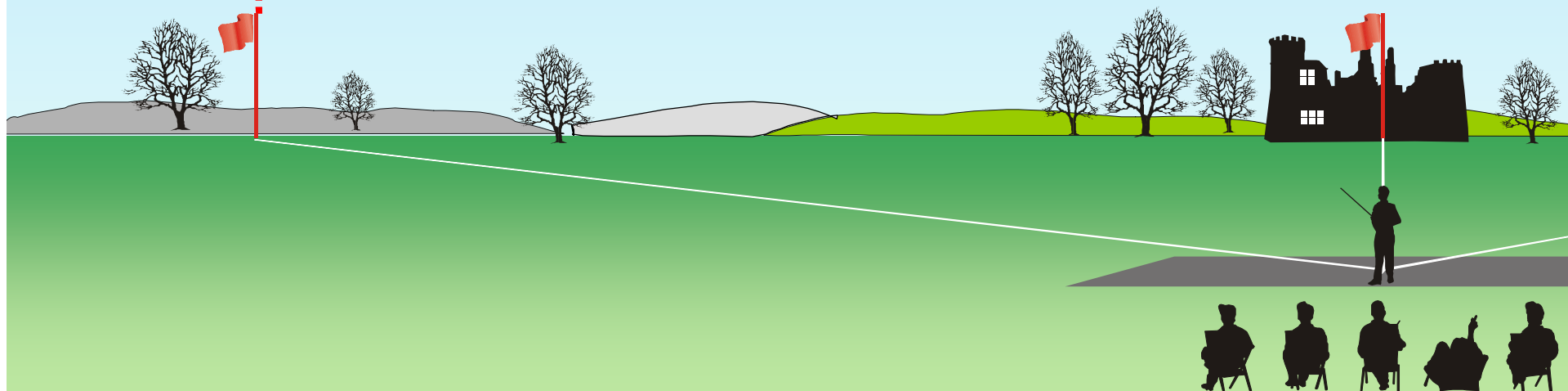
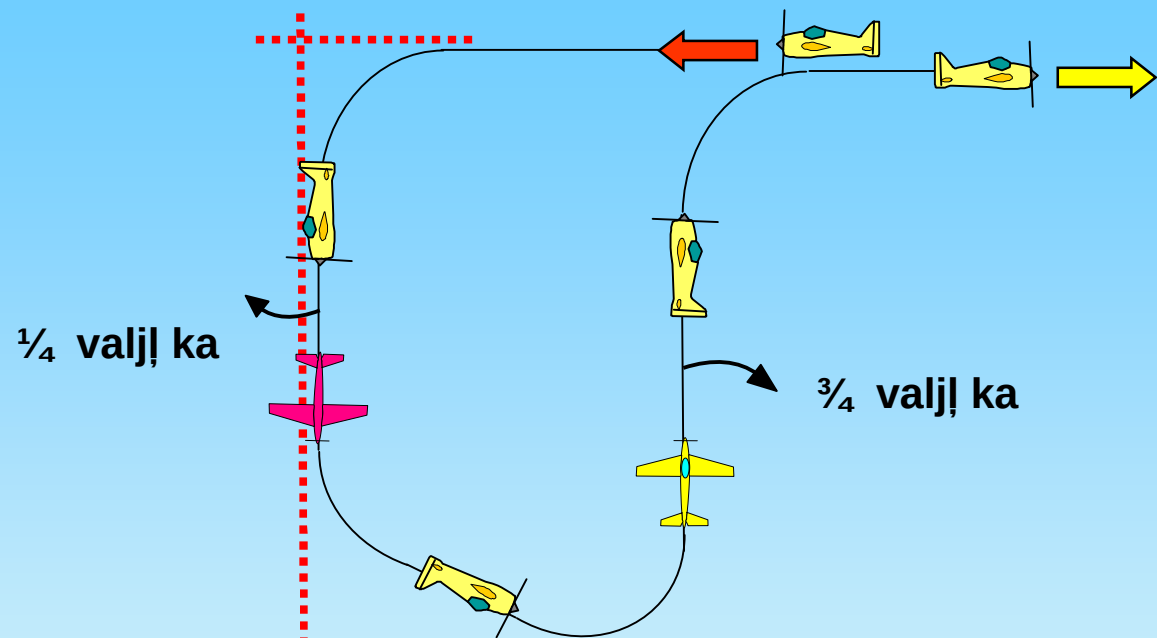


P-13.07: 45° Vzpon z 1 ½ dinamił nega valjł ka



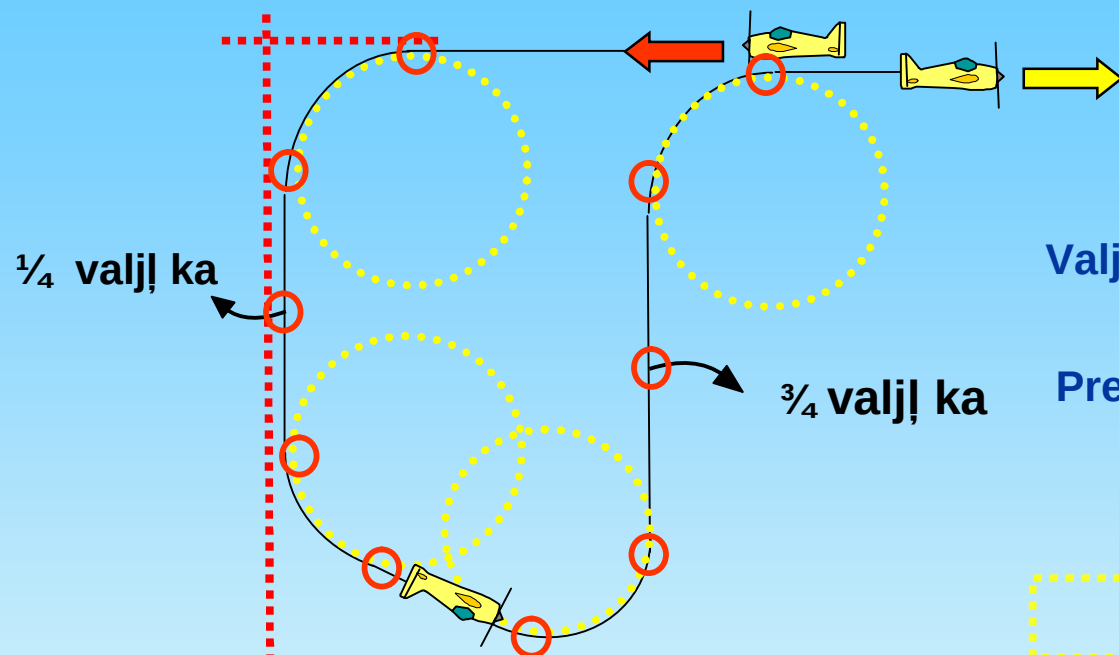


P-13.08: Obrnjeni klobuk z $\frac{1}{4}$ valj, ka dol in $\frac{3}{4}$ valj, ka gor.





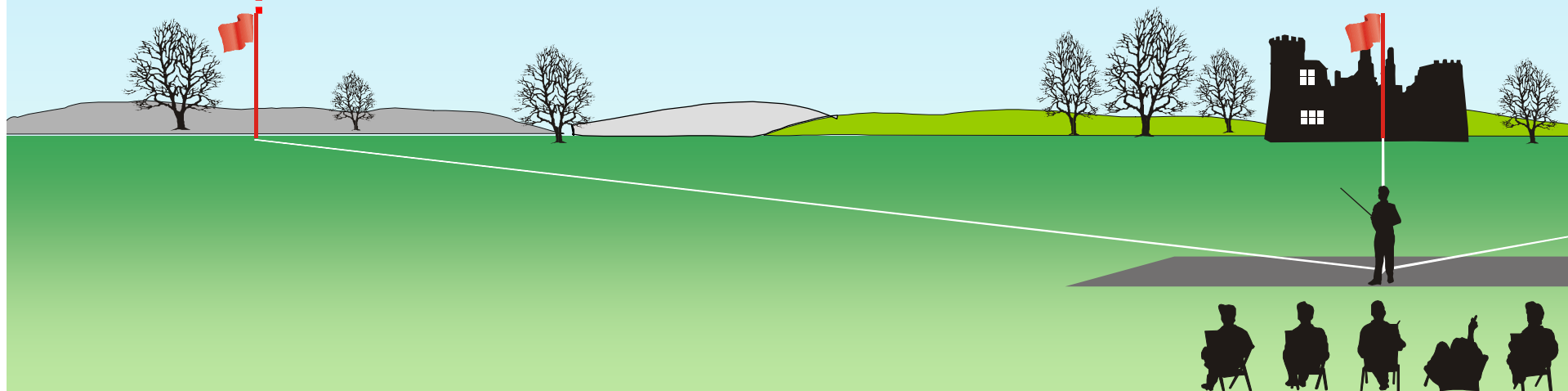
P-13.08: Obrnjeni klobuk z $\frac{1}{4}$ valj ka dol in $\frac{3}{4}$ valj ka gor.



Valj ka v sredini linije.

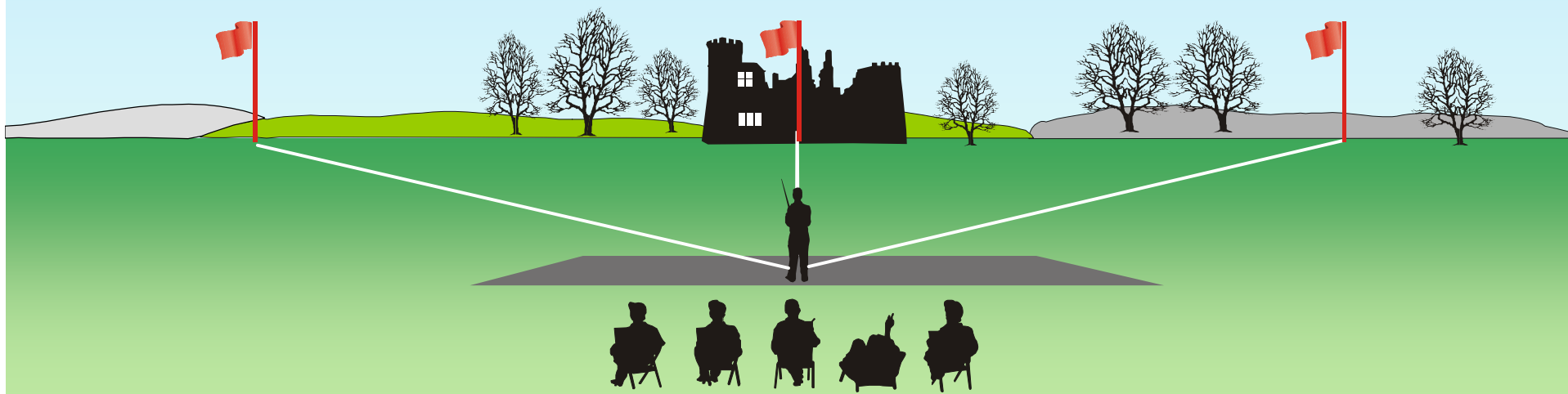
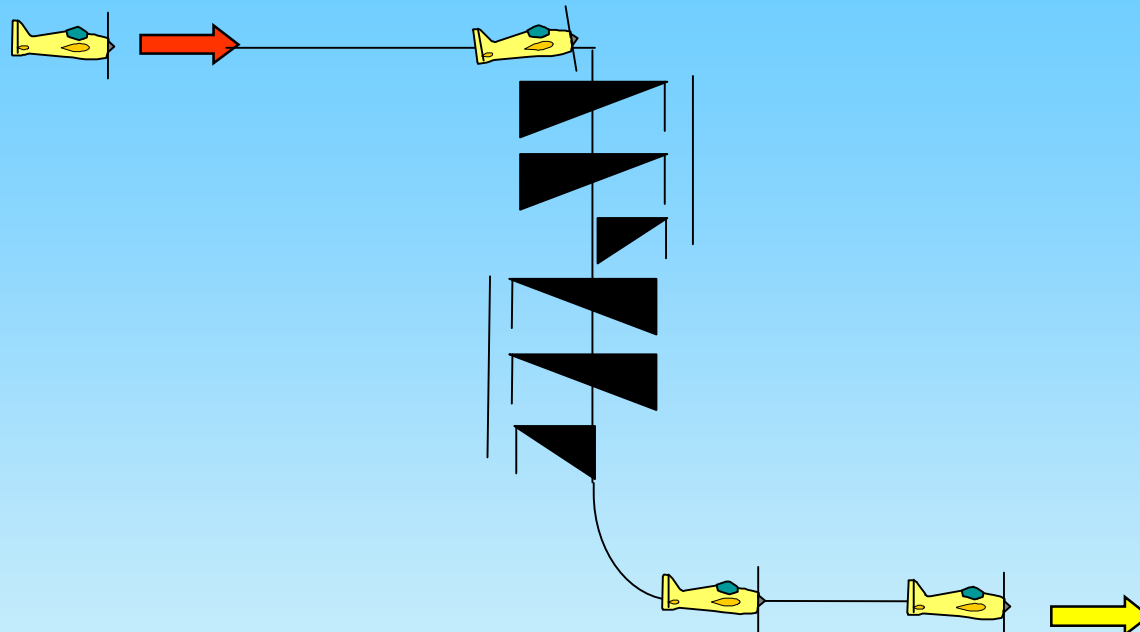
Prej na horizontala hrbtno.

Vsi radiji enaki.



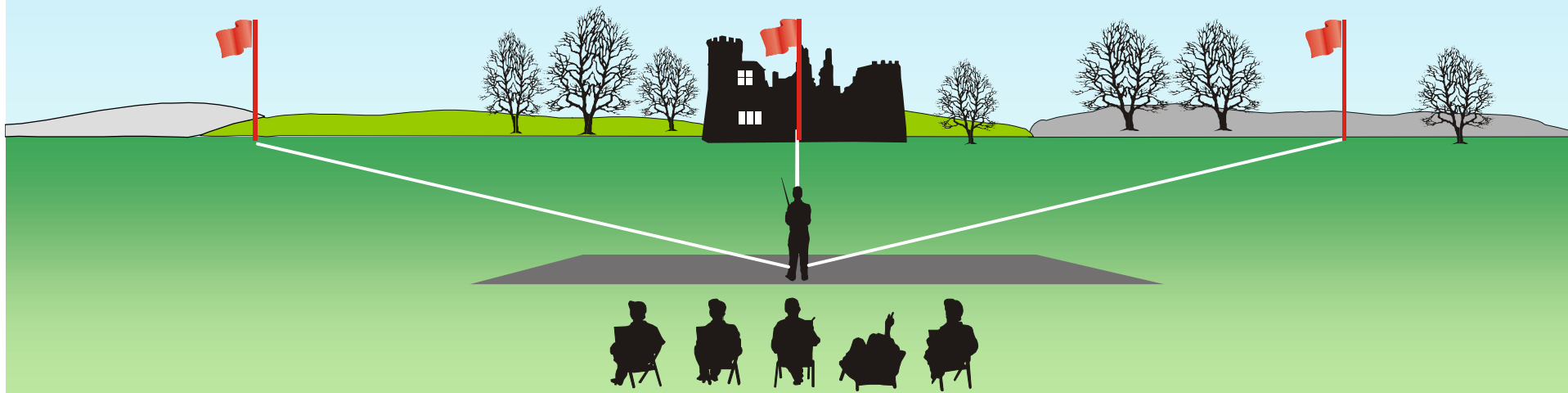
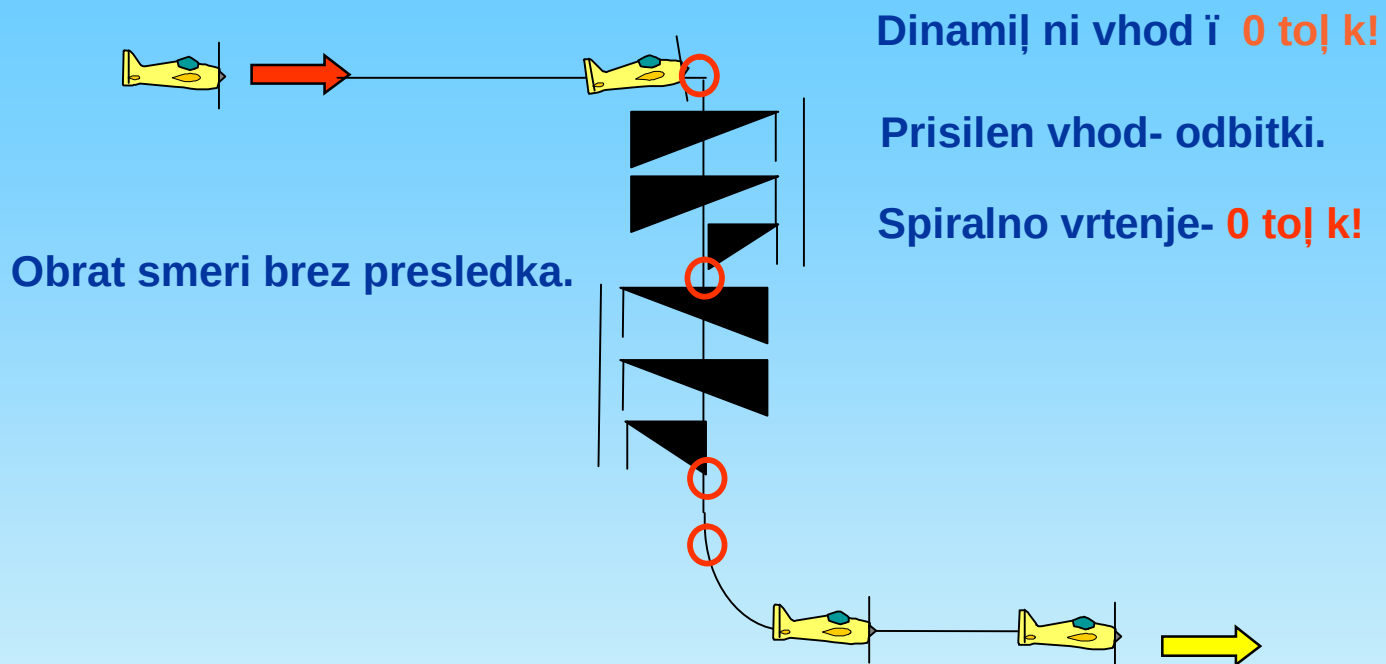


P-11.10: Vrij z 2 ½ obrata protismerno.



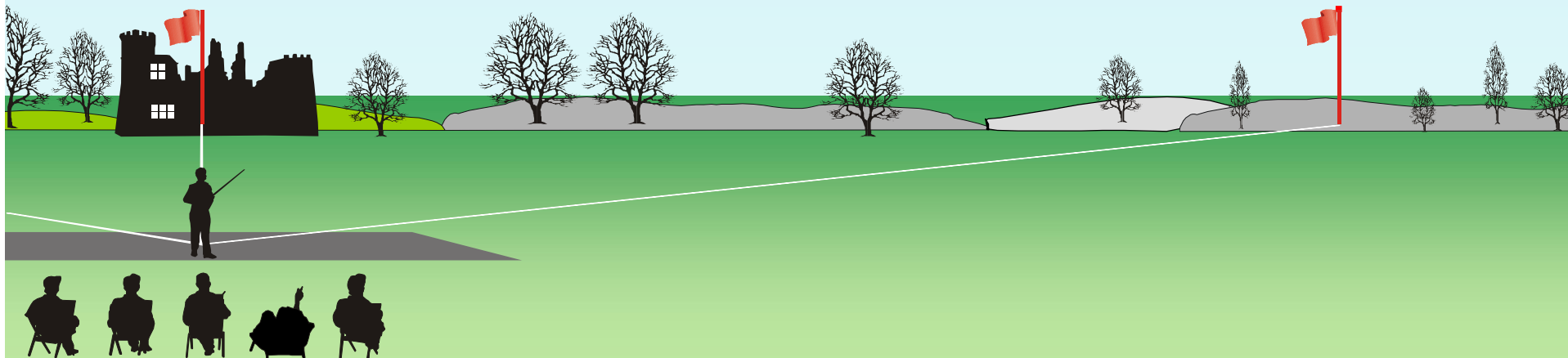
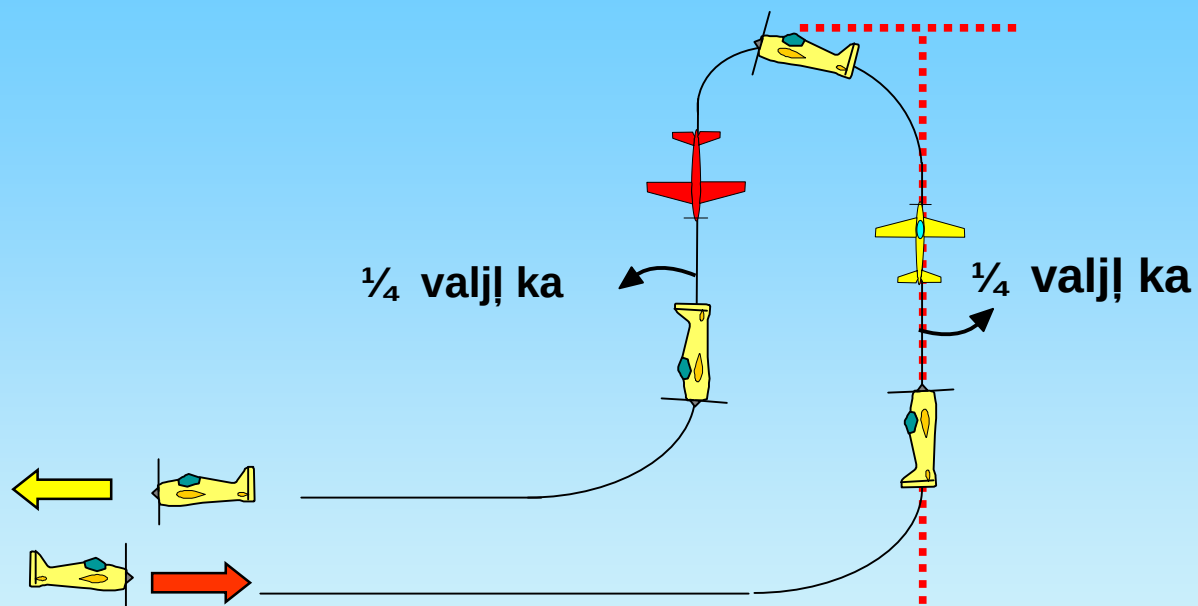


P-11.10: Vrij z 2 ½ obrata protismerno.





**P-13.11: Pull-Push-Pull Humpty Bump z $\frac{1}{4}$ valj! ka gor,
 $\frac{1}{4}$ valj! ka dol (Opcija : Dva zaporedna $\frac{1}{4}$ valj! ka
gor)**

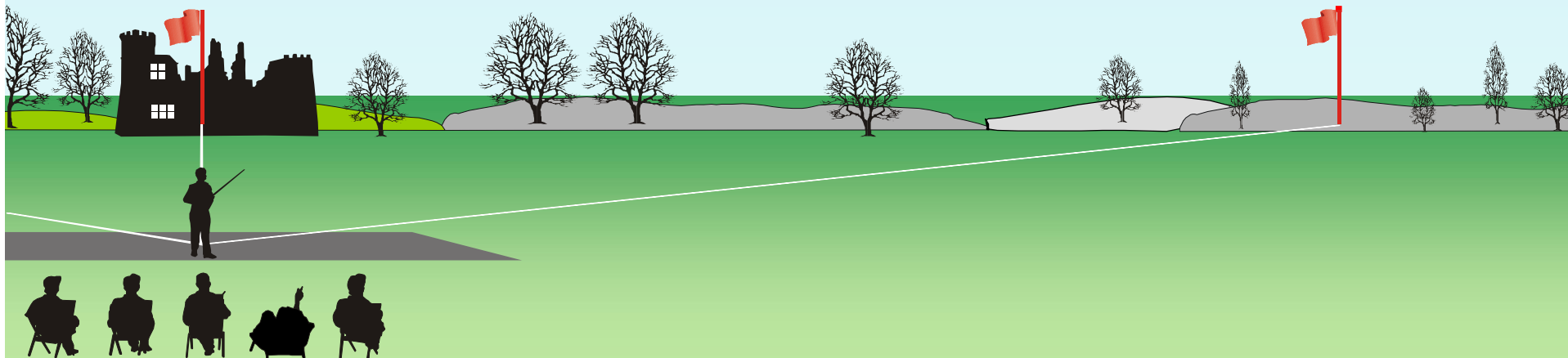
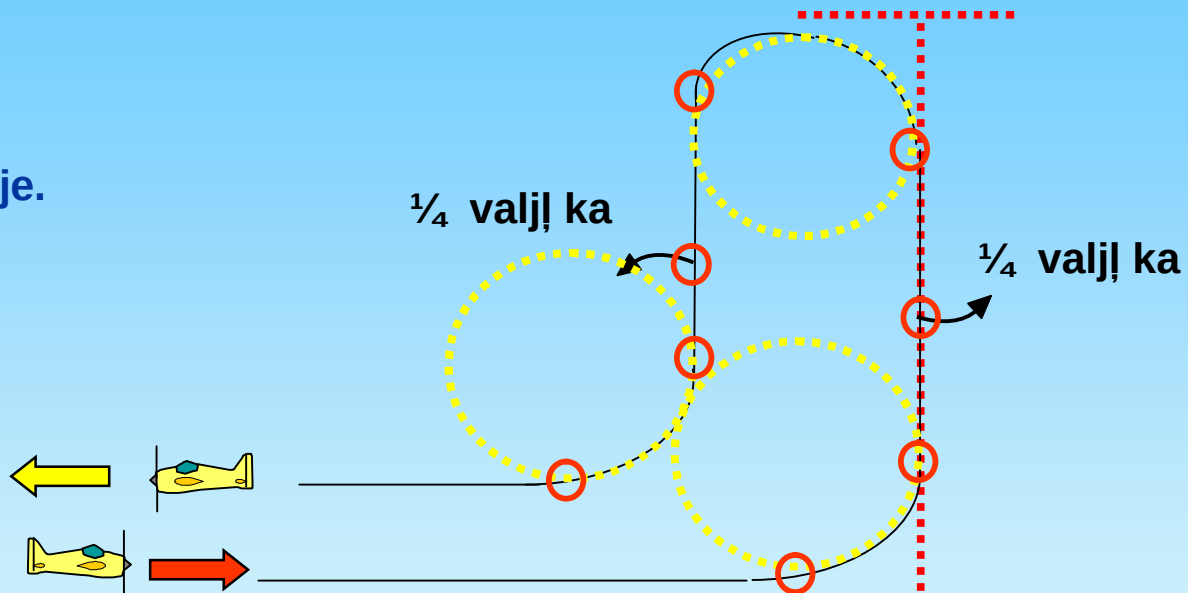




P-13.11: Pull-Push-Pull Humpty Bump z $\frac{1}{4}$ valj! ka gor, $\frac{1}{4}$ valj! ka dol (Opcija : Dva zaporedna $\frac{1}{4}$ valj! ka gor)

$\frac{1}{4}$ valj! ka v sredini linije.

Vsi radiji enaki.

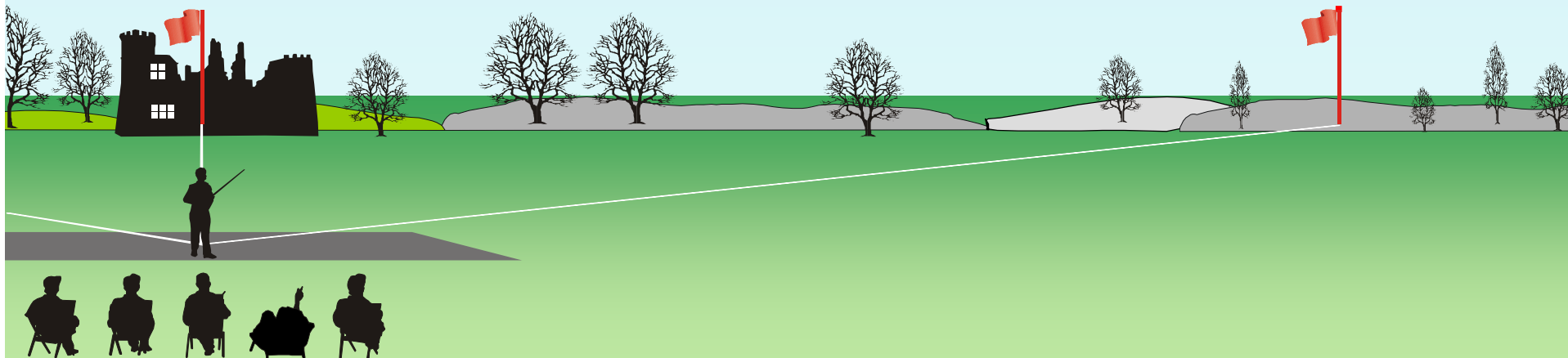
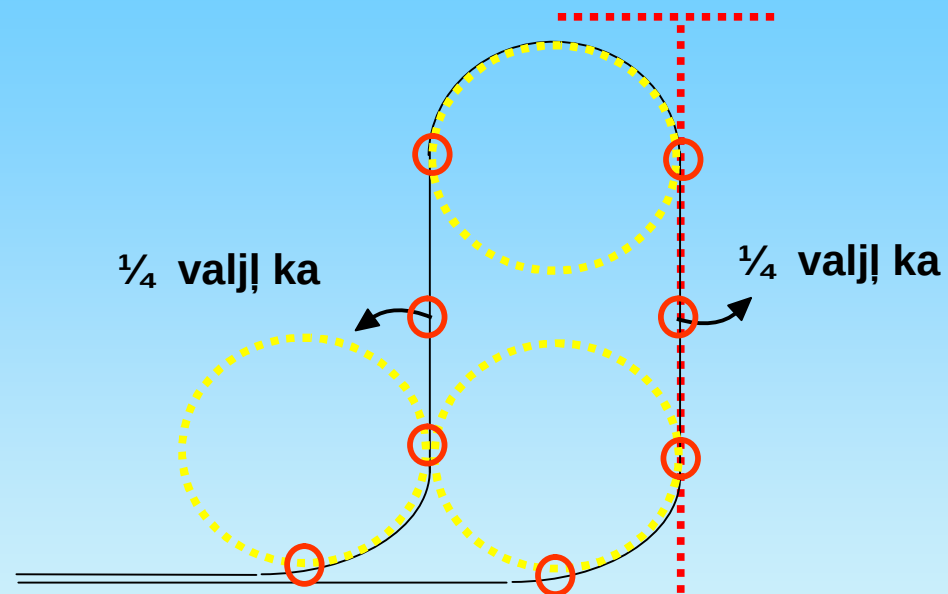




P-13.11: Pull-Push-Pull Humpty Bump z $\frac{1}{4}$ valj ka gor, $\frac{1}{4}$ valj ka dol (Opcija : Dva zaporedna $\frac{1}{4}$ valj ka gor)

$\frac{1}{4}$ valj ka v sredini linije.

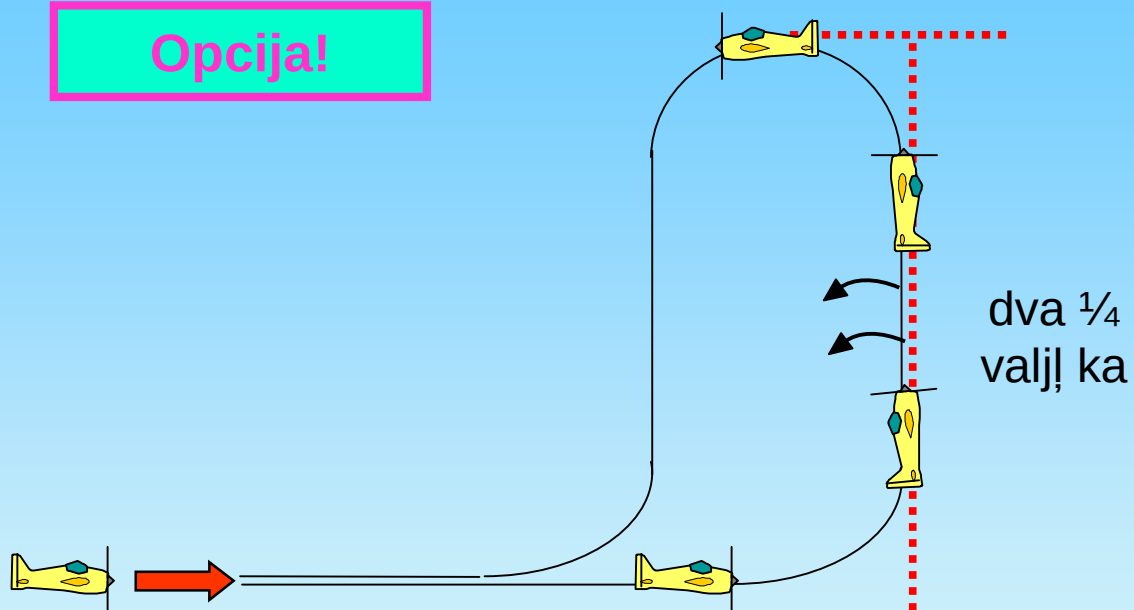
Vsi radiji enaki.



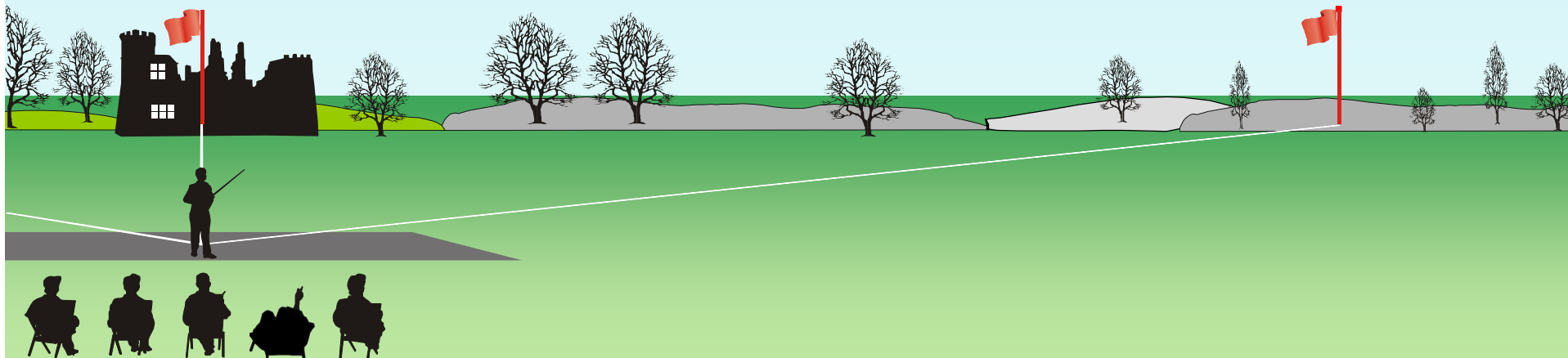


P-13.11: Pull-Push-Pull Humpty Bump z $\frac{1}{4}$ valj! ka gor, $\frac{1}{4}$ valj! ka dol (Opcija : Dva zaporedna $\frac{1}{4}$ valj! ka gor)

Opcija!



dva $\frac{1}{4}$
valj! ka

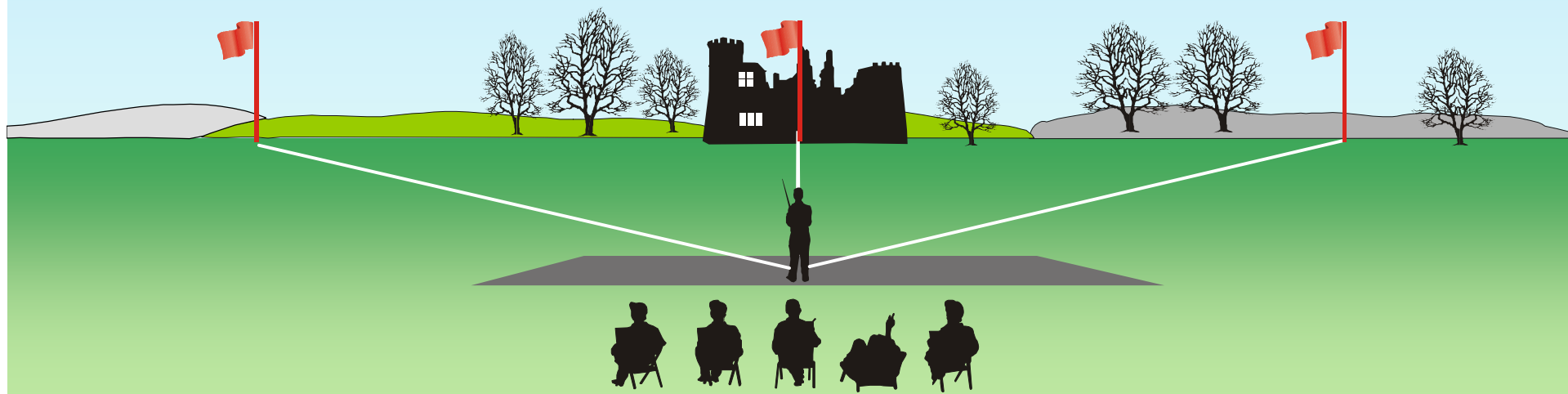
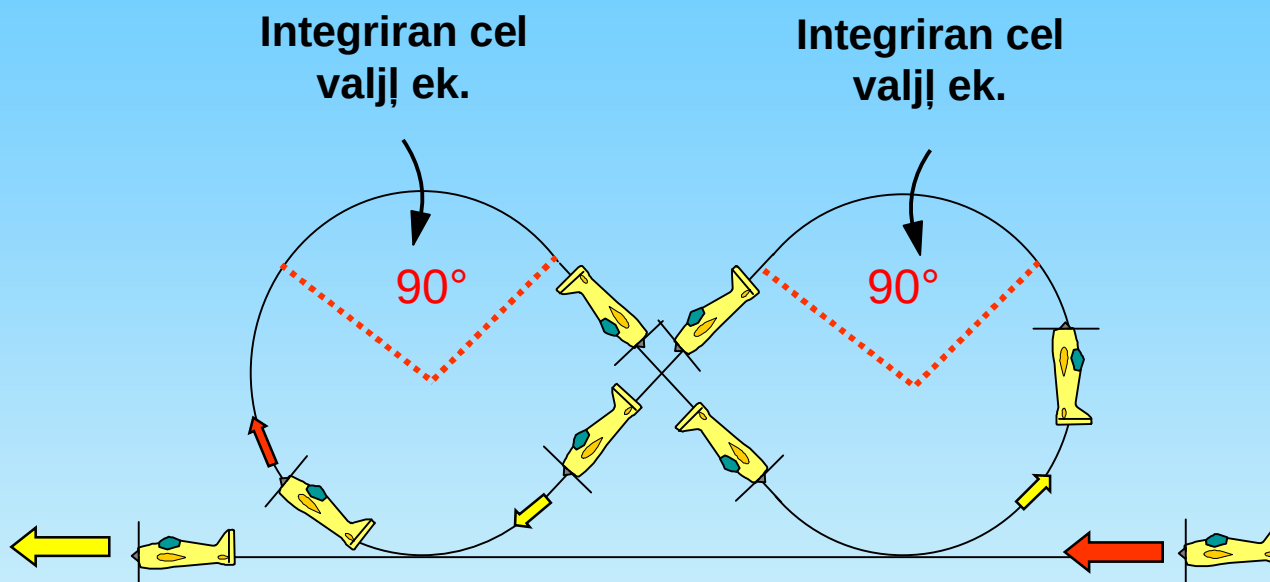




$2/4$ valj, ka



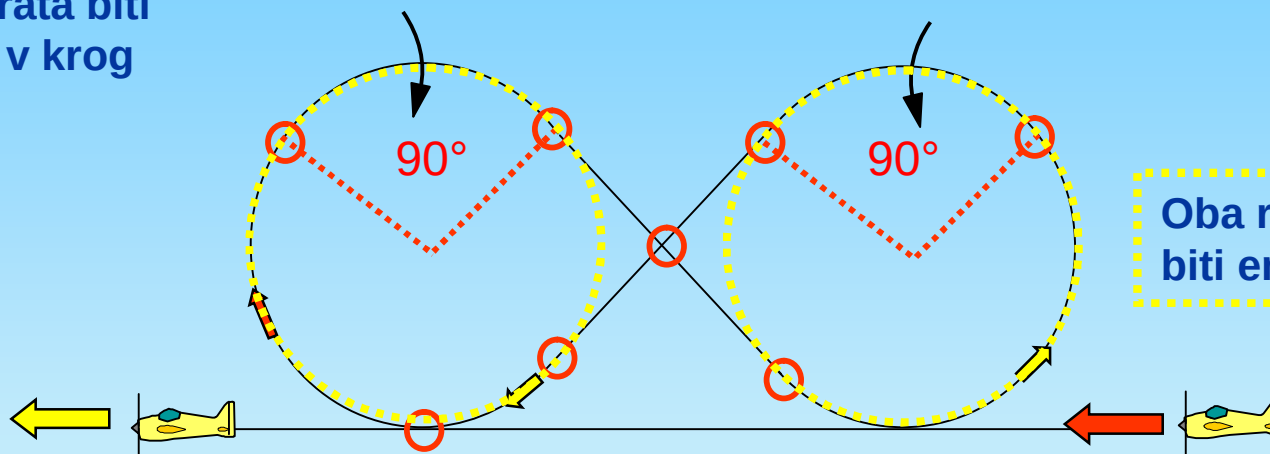
P-13.11: Cubanska 8 z integriranimi valj̣ ki na zgornjih 90° na obeh delnih lupingih.



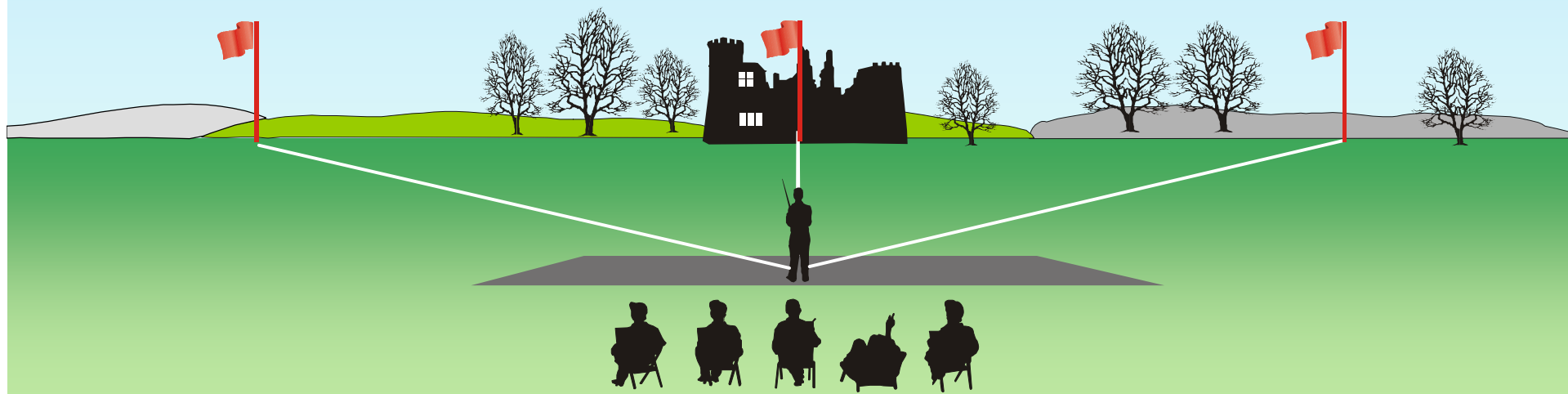


P-13.11: Cubanska 8 z integriranimi valj! ki na zgornjih 90° na obeh delnih lupingih.

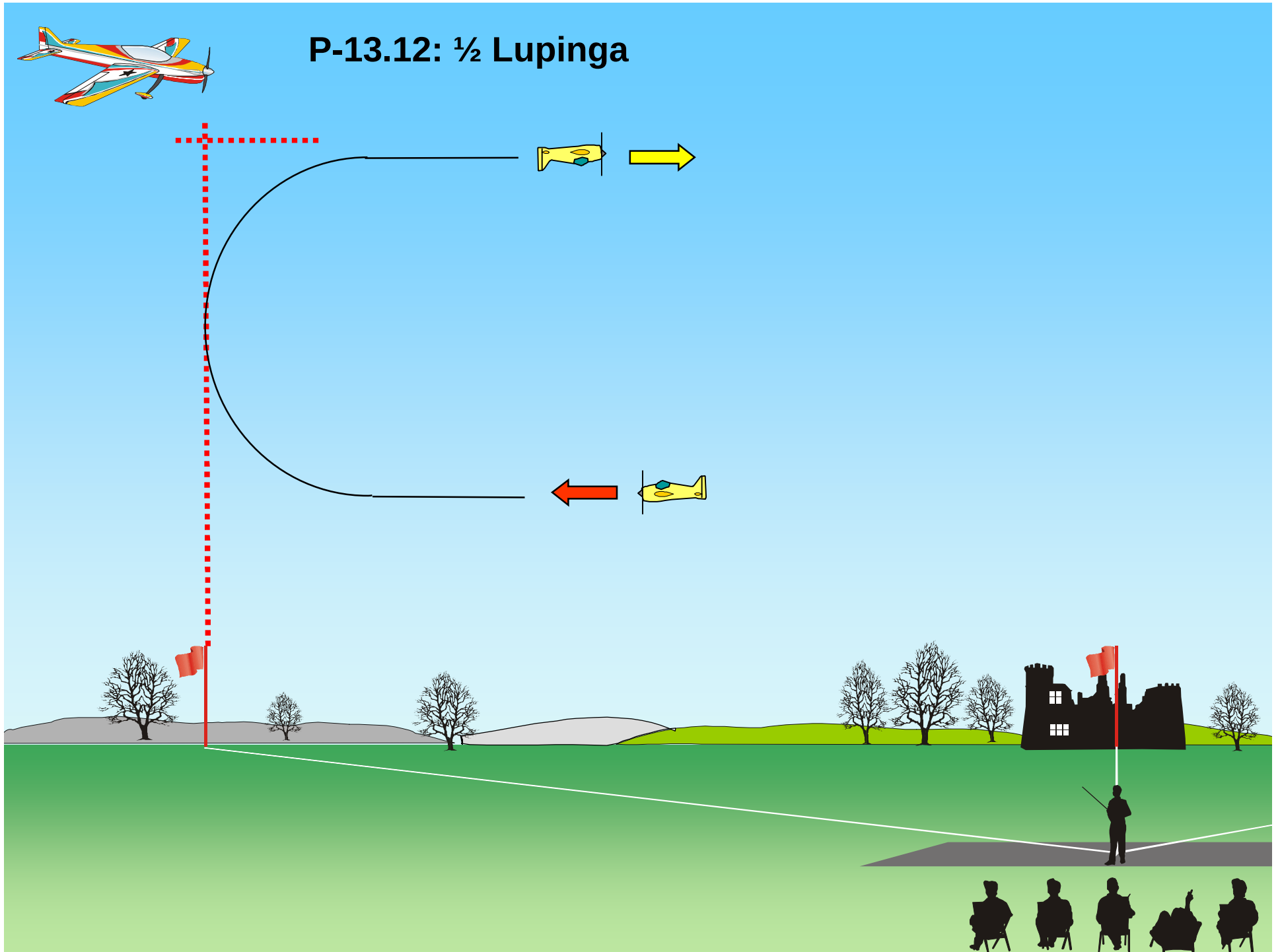
Valj! ka morata biti integrirana v krog lupinga.



Oba radija morata biti enaka.

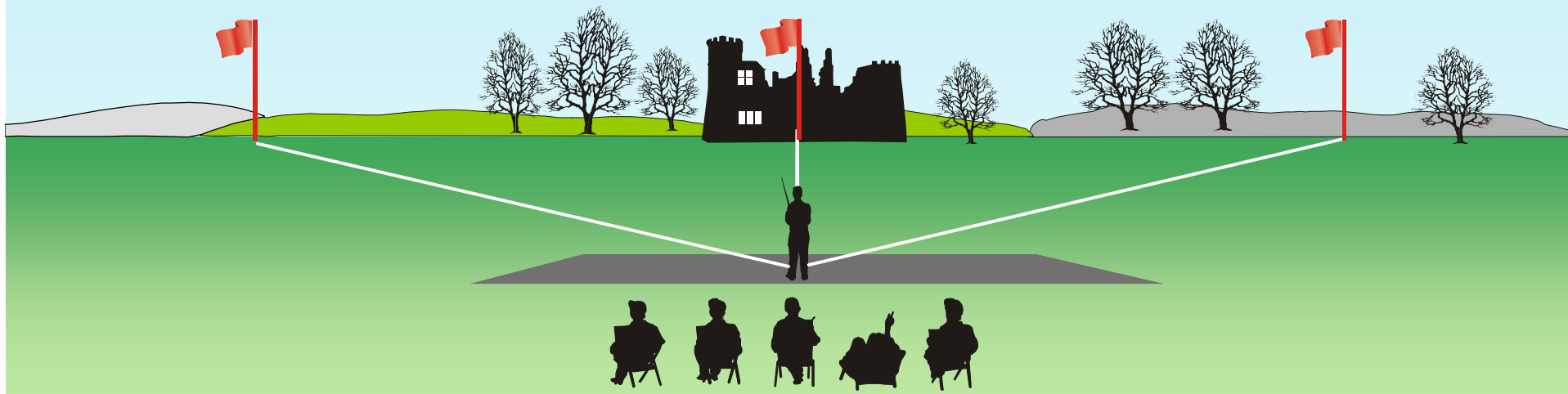
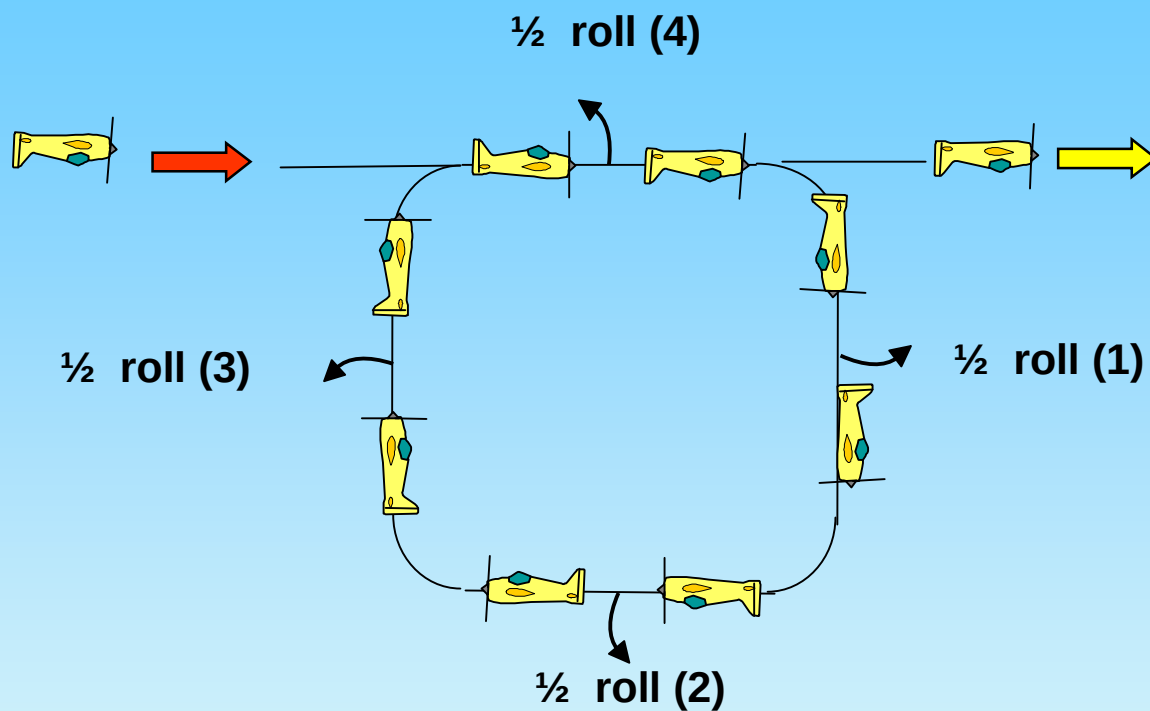


P-13.12: ½ Lupinga





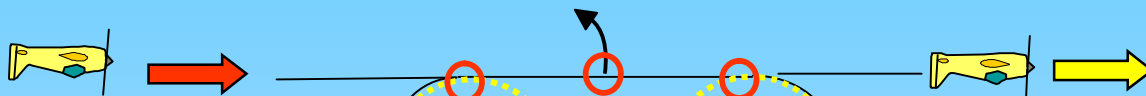
P-11.13: Kvadratni luping z $\frac{1}{2}$ valj ka na vsaki liniji.





P-11.13: Kvadratni luping z $\frac{1}{2}$ valj ka na vsaki liniji.

$\frac{1}{2}$ valj ka (4)



$\frac{1}{2}$ valj ki v sredini linij.

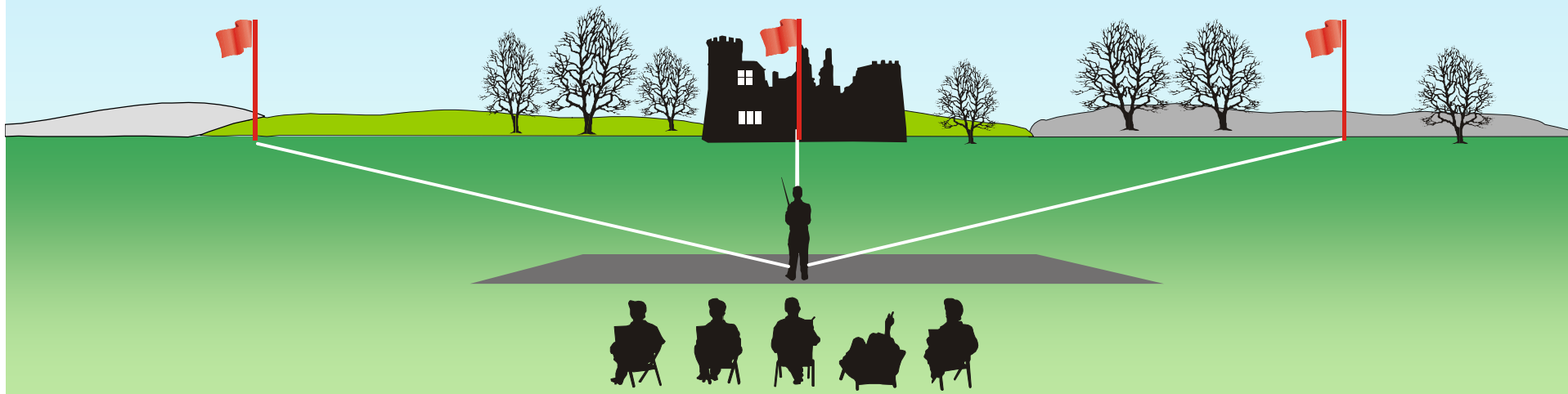
$\frac{1}{2}$ valj ka (3)

$\frac{1}{2}$ valj ka (1)

Hitrosti vseh valj kov enake.

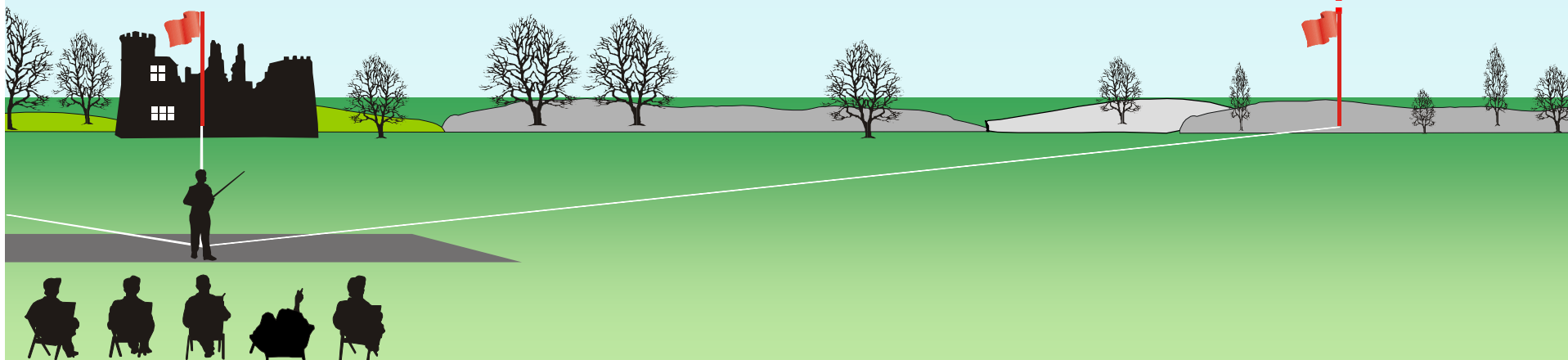
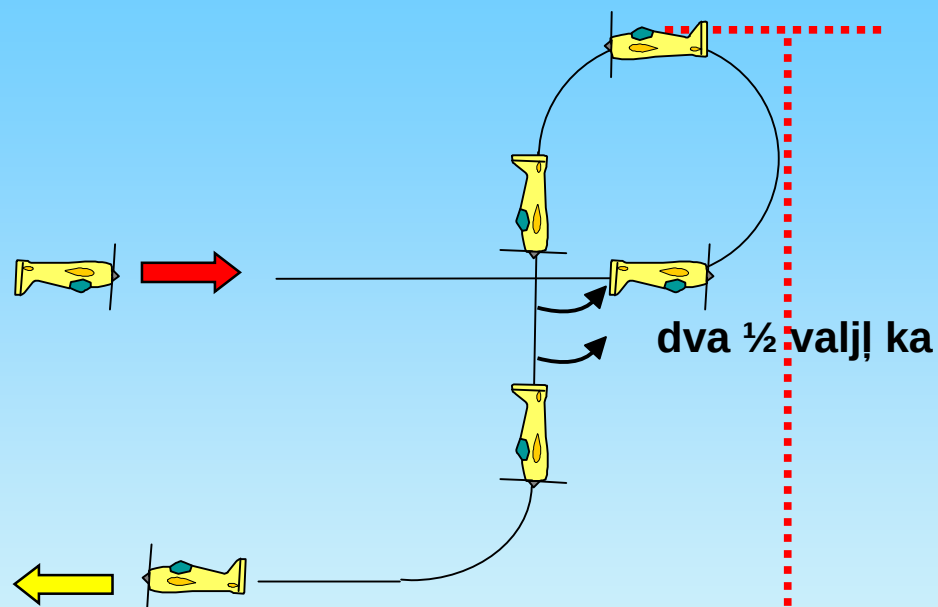
Vsi radiji enaki.

$\frac{1}{2}$ valj ka (2)





P-13.14: Figura 9, z dvema zaporednima $\frac{1}{2}$ valj koma.

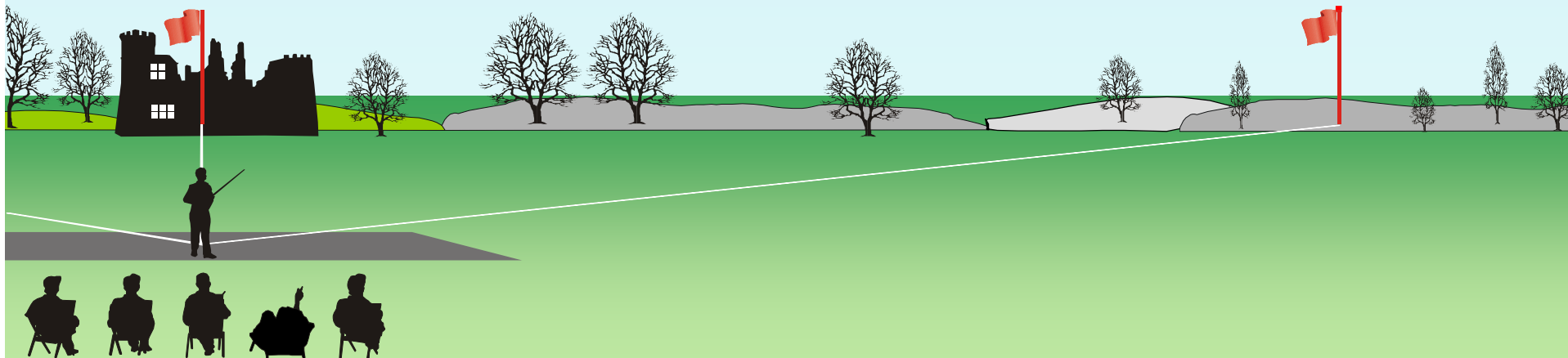
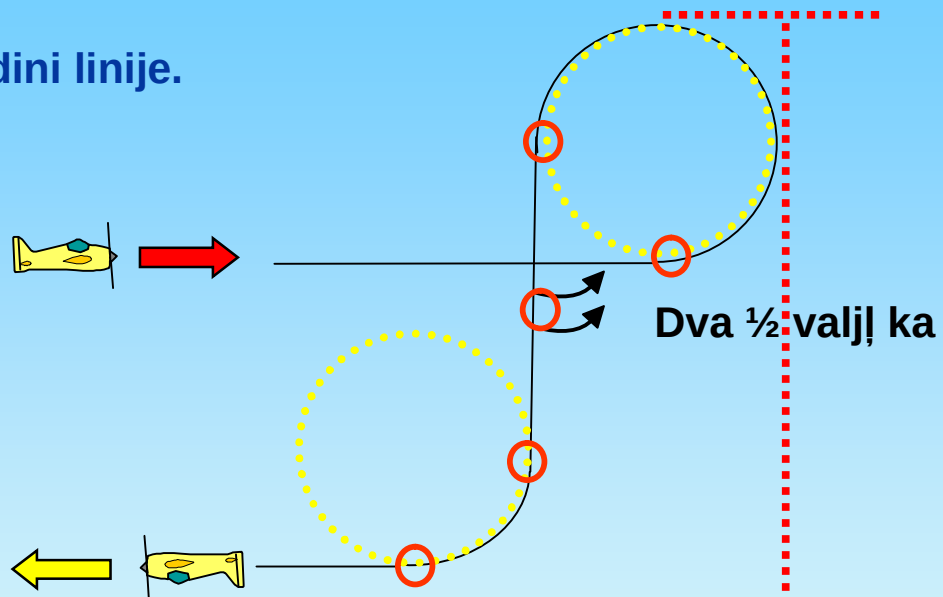




P-13.14: Figura 9, z dvema zaporednima $\frac{1}{2}$ valj koma.

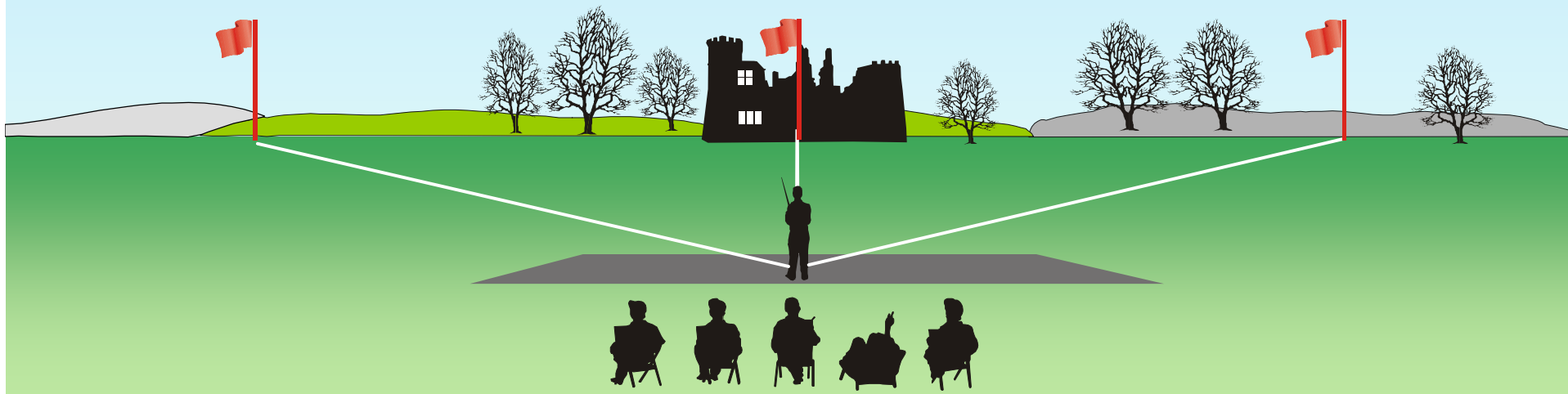
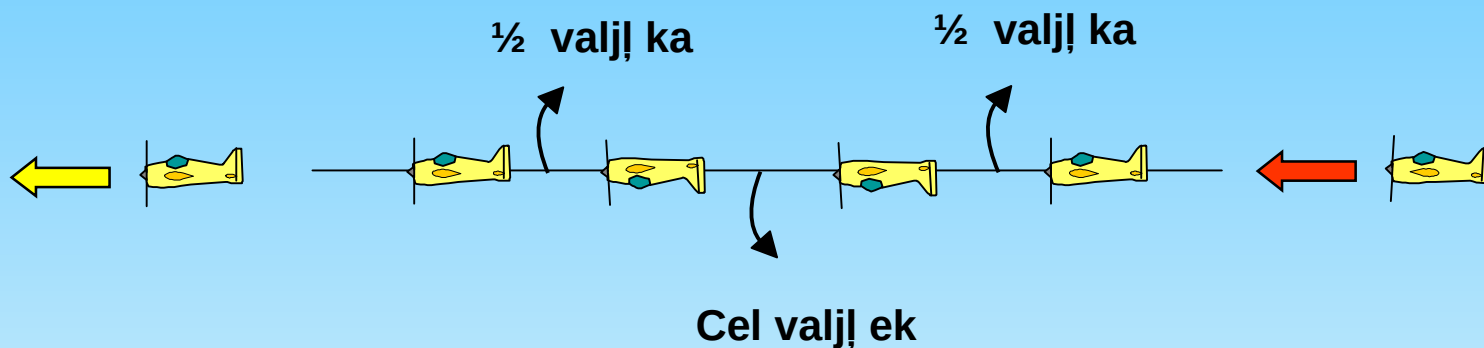
$\frac{1}{2}$ valj ka v sredini linije.

Vsi radiji enaki.



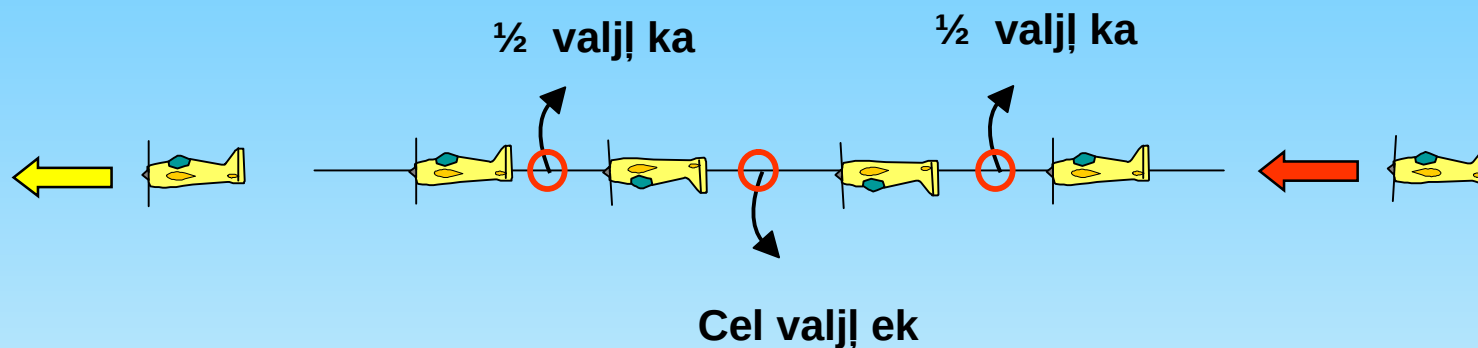


P-13.15: Kombinacija zaporednih valj kov, $\frac{1}{2}$ valj ka, cel valj ek, $\frac{1}{2}$ valj ka protismerno.



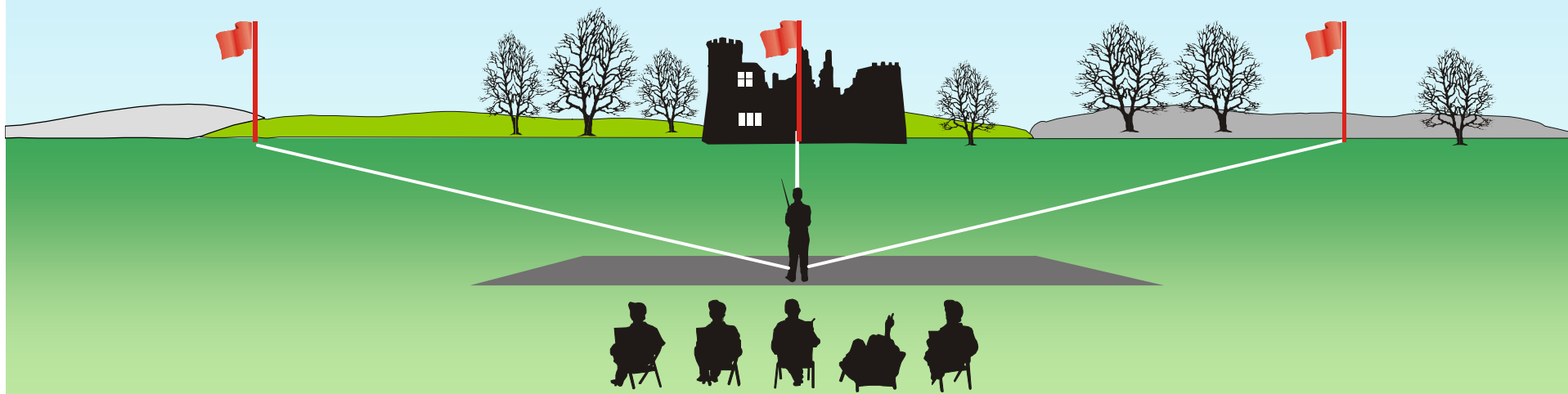


P-13.15: Kombinacija zaporednih valj kov, $\frac{1}{2}$ valj ka, cel valj ek, $\frac{1}{2}$ valj ka protismerno.



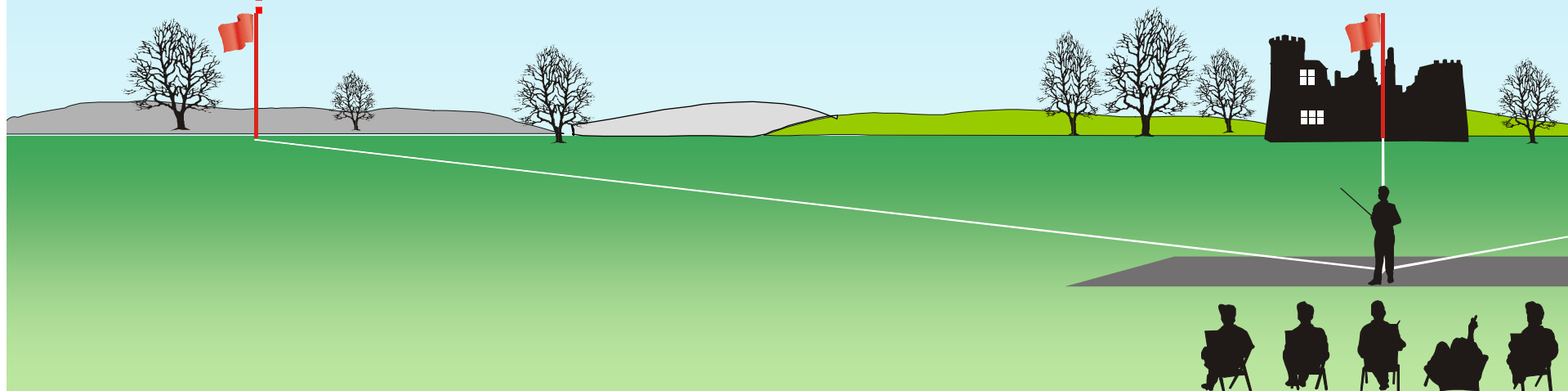
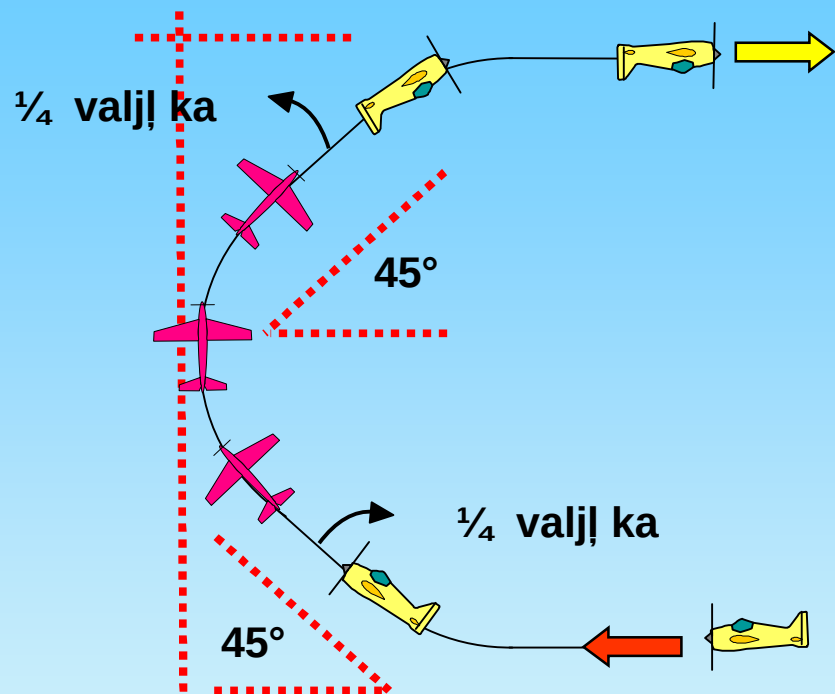
Deli valj kov morajo imeti enako hitrost vrtenja.

Med valj ki ni linij.



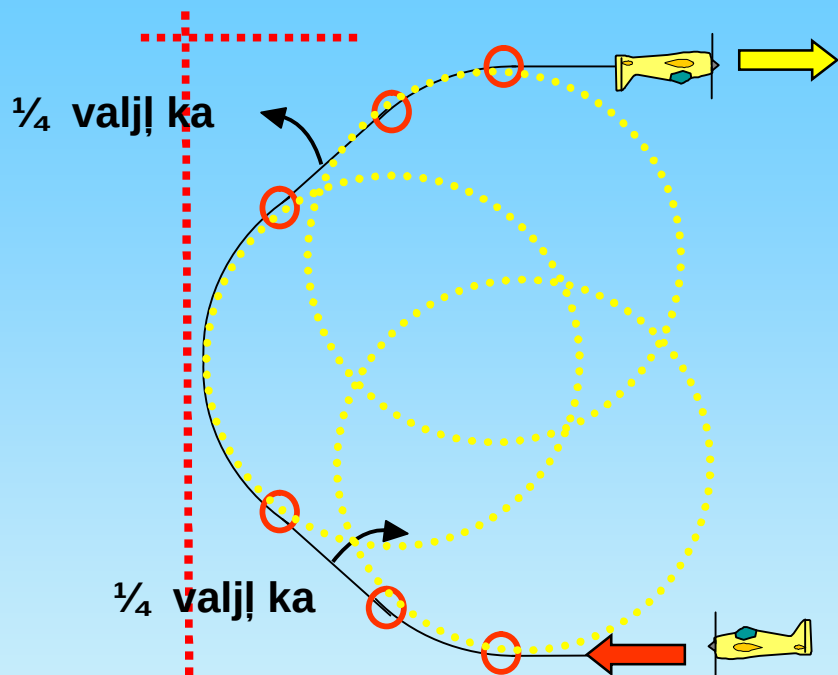


P-13.16: $\frac{1}{2}$ Lupinga z vogalom, $\frac{1}{4}$ valj! ka, $\frac{1}{4}$ lupinga na noč, $\frac{1}{4}$ valj! ka.



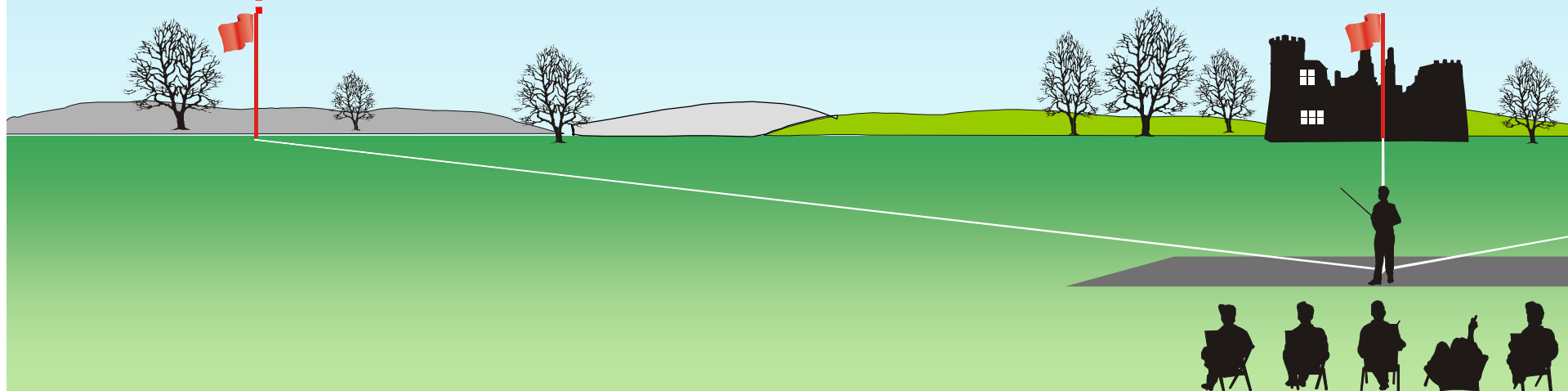


P-13.16: $\frac{1}{2}$ Lupinga z vogalom, $\frac{1}{4}$ valj! ka, $\frac{1}{4}$ lupinga na noč, $\frac{1}{4}$ valj! ka.



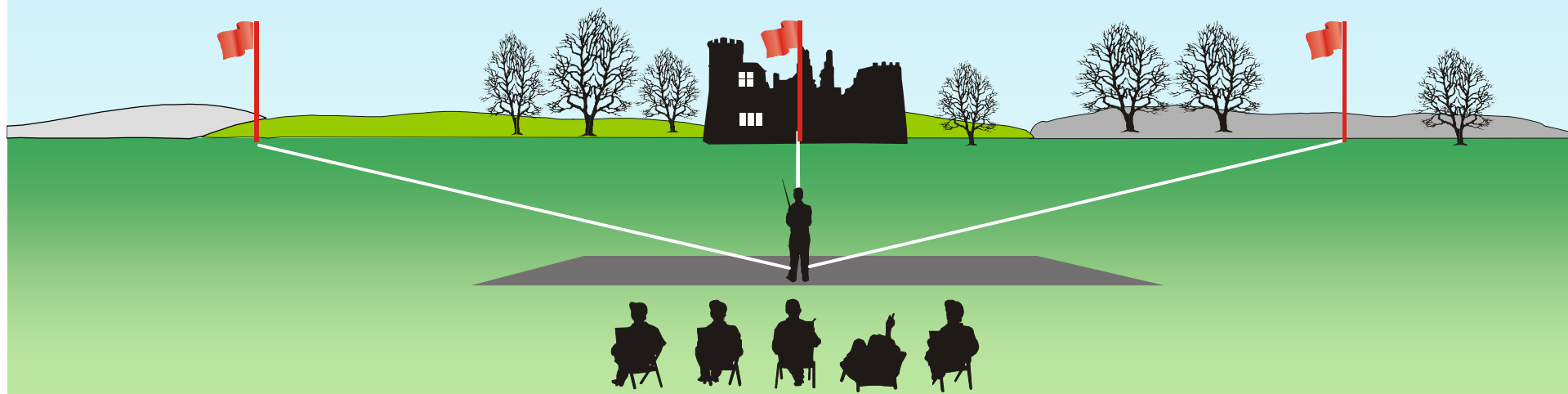
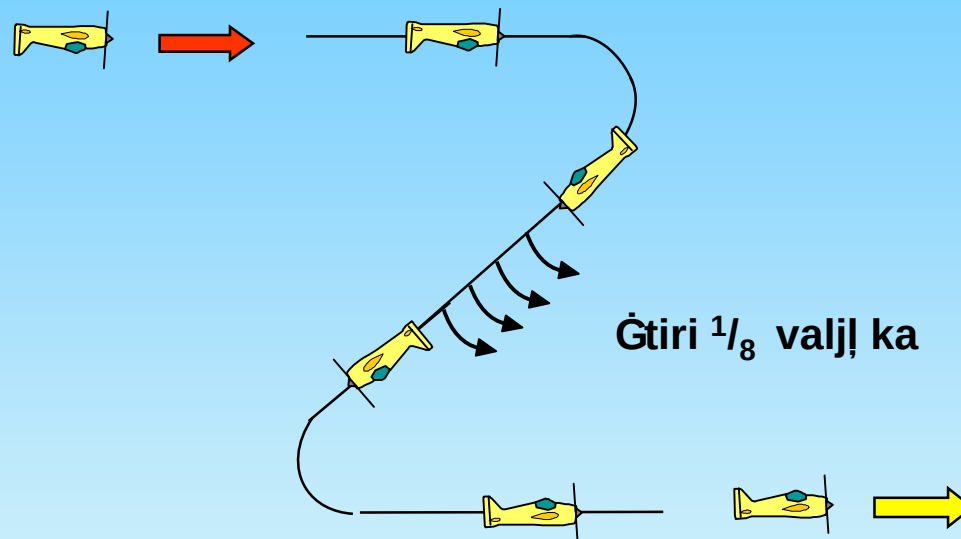
$\frac{1}{4}$ valj! ka v sredini linije.

Vsi radiji enaki.



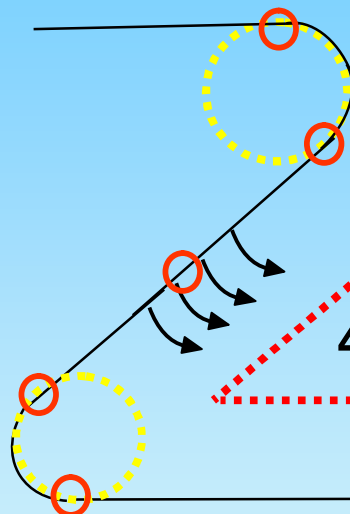
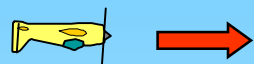


P-13.17: Figura Z z zaporednimi $\frac{1}{8}$ valjlj ka.



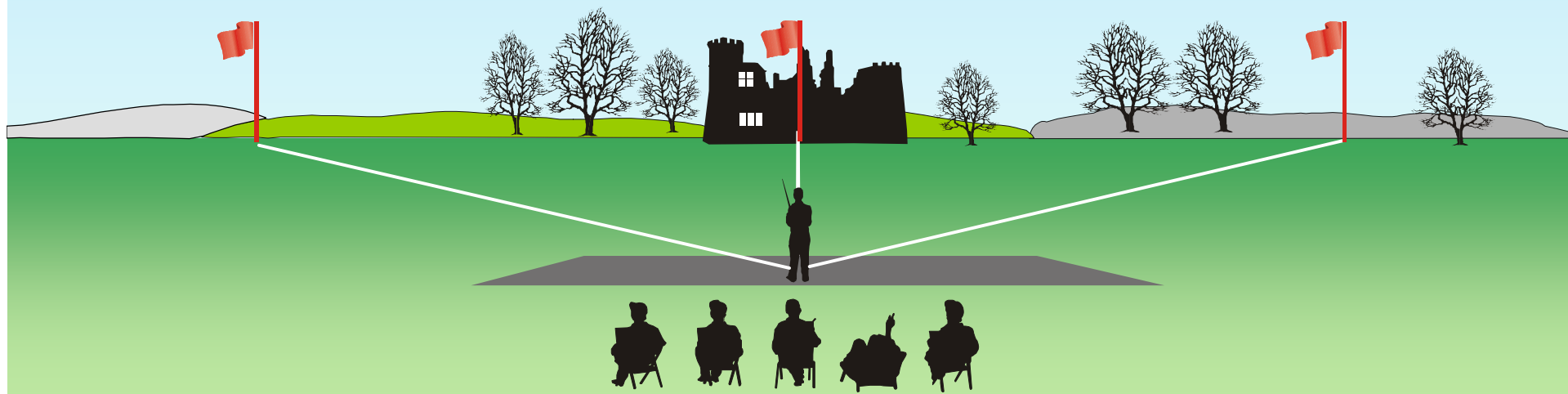


P-13.17: Figura Z z zaporednimi štirimi 1/8 valj! ka.



Linije med osminkami
morajo biti kratke in enako
dolge.

Oba radija enaka.

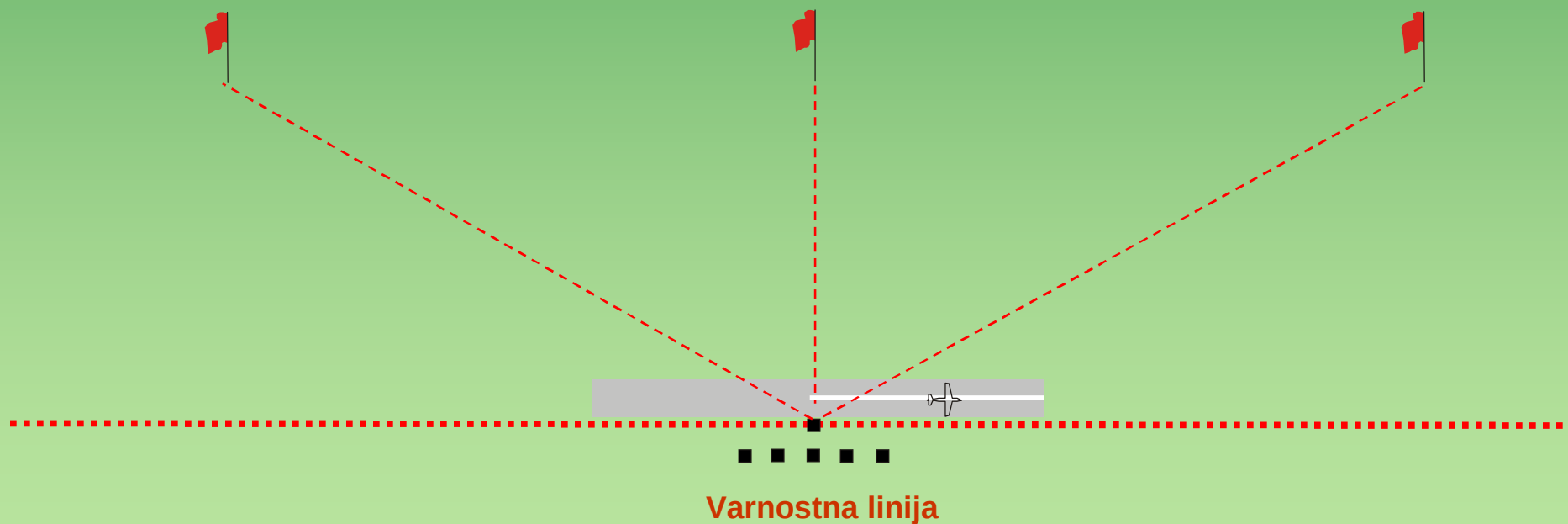




Pristajalna procedura (ni ocenjena)

Smer pristajanja je lahko drugač na od smeri
vzletanja.

← **Veter**



Forget **WHO** is flying

(friend, rival, countryman, flier from other nation)

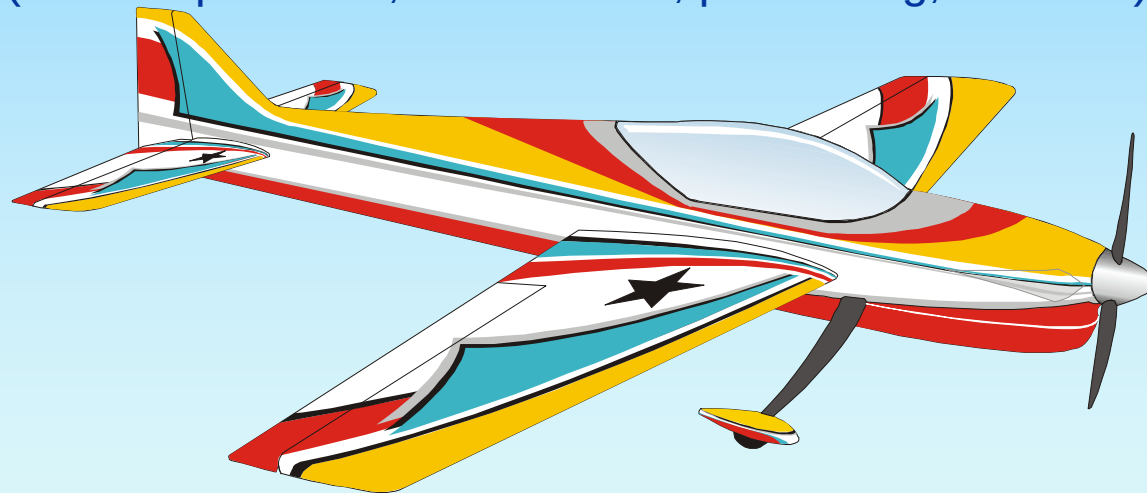
Forget **WHAT** is flying

(2-stroke, 4-stroke, electric, turbine, rubber-power)

**LOOK ONLY AT LINES DESCRIBED IN
THE SKY!**

Bob Skinner

(and the precision, smoothness, positioning, and size)



Thank you!

Peter Uhlig, April 2011