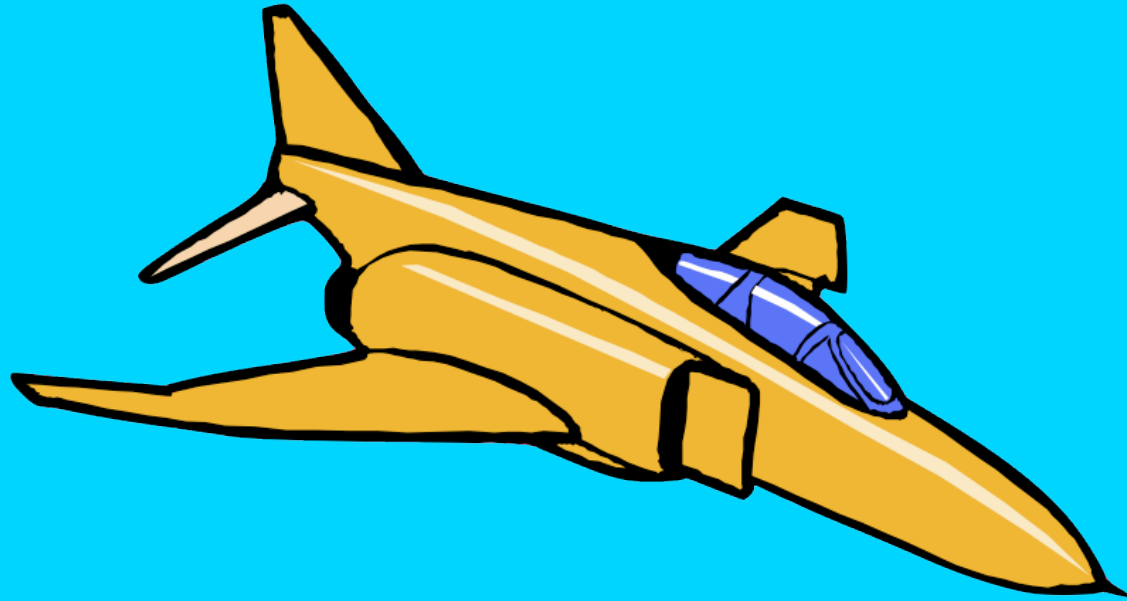


# Acrobáticos de Radio Control Propulsados por Turbinas Jet

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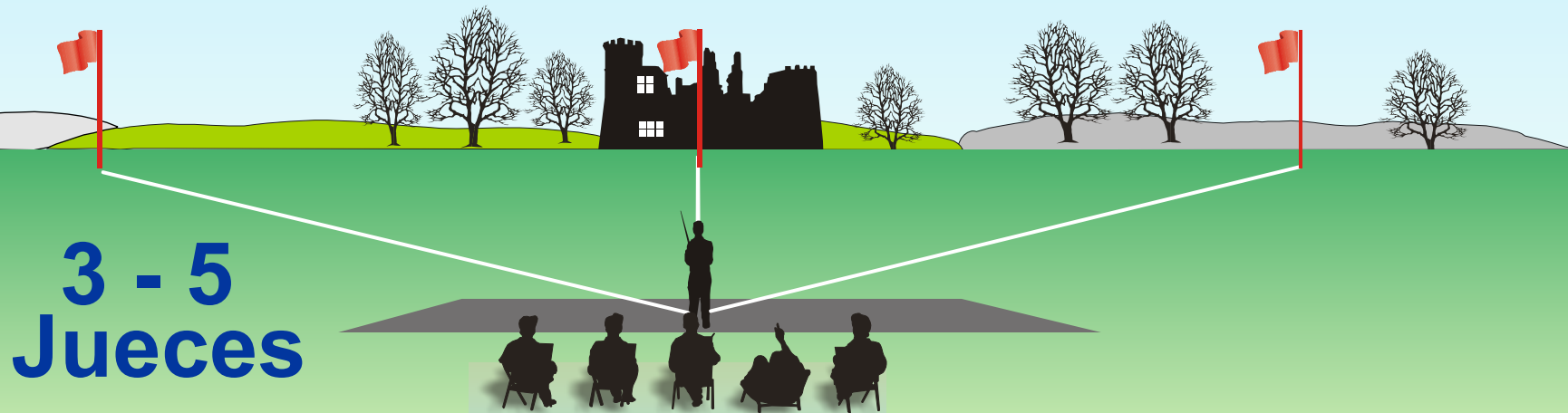
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## Programa de Vuelo F3S

# Representación Esquemática

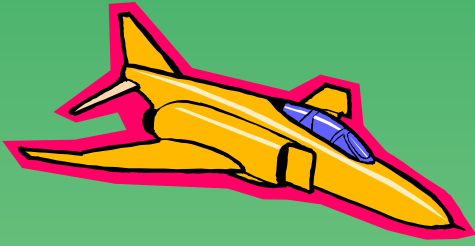
## Programa de Vuelo F3S

### 2016-2017



**Atencion, Concentracion TOTAL !!!**

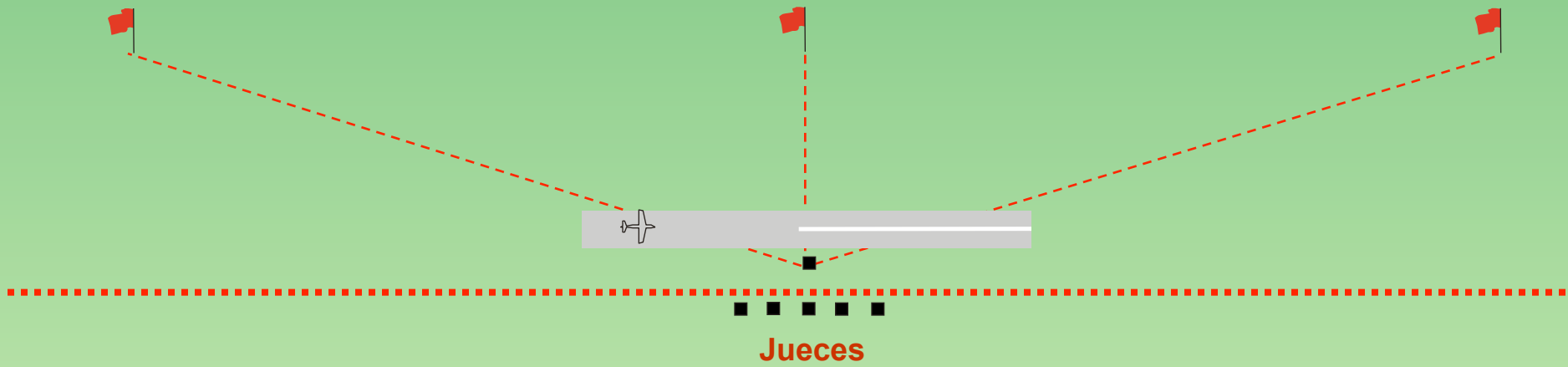
**Alla Vamos**

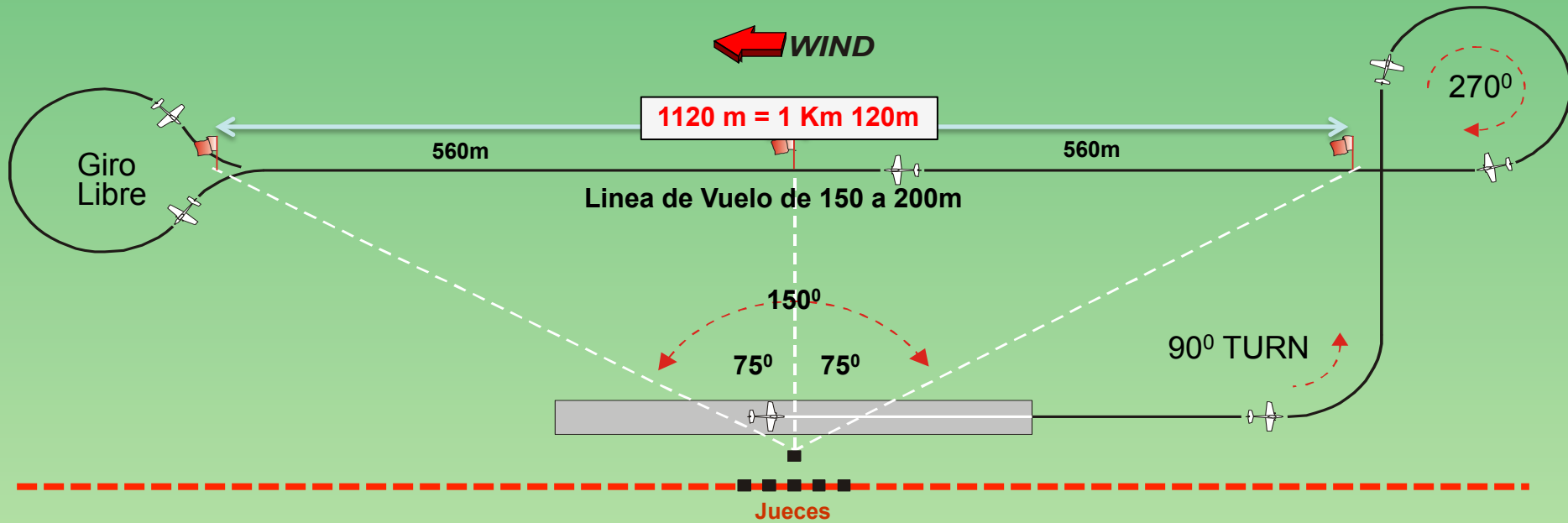
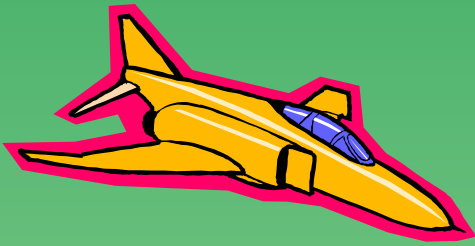


# Despegue

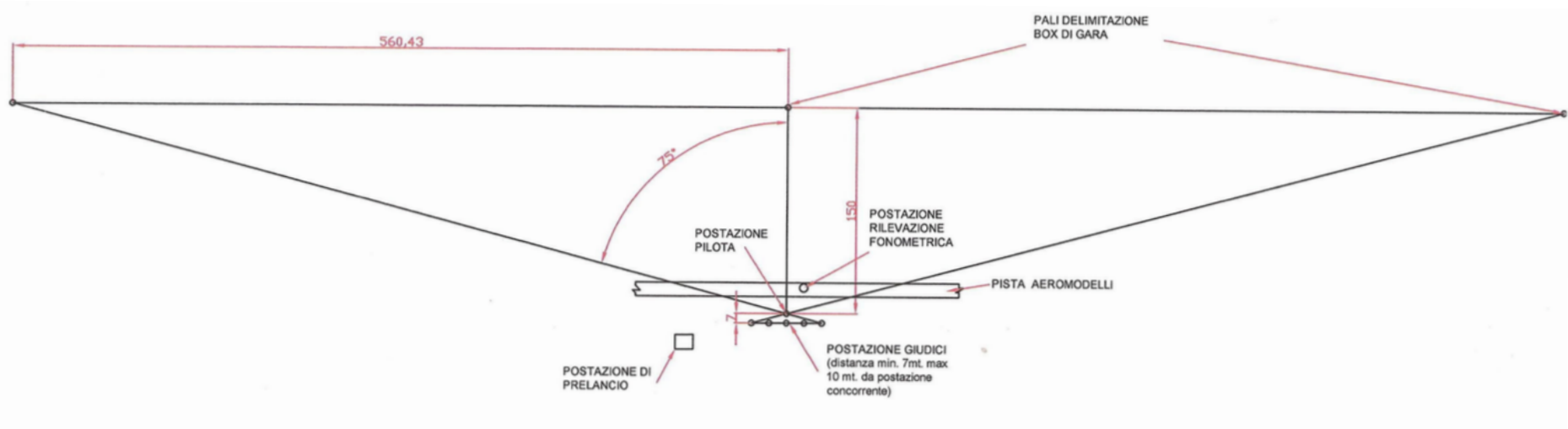
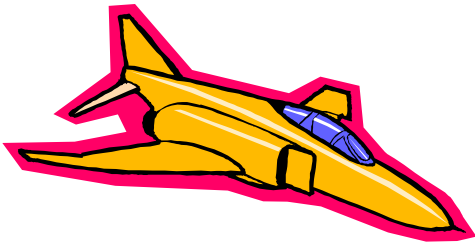
( No se juzga ni se puntua)

← Viento

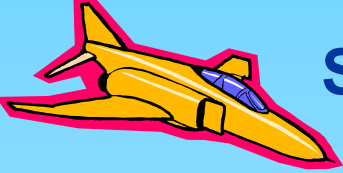




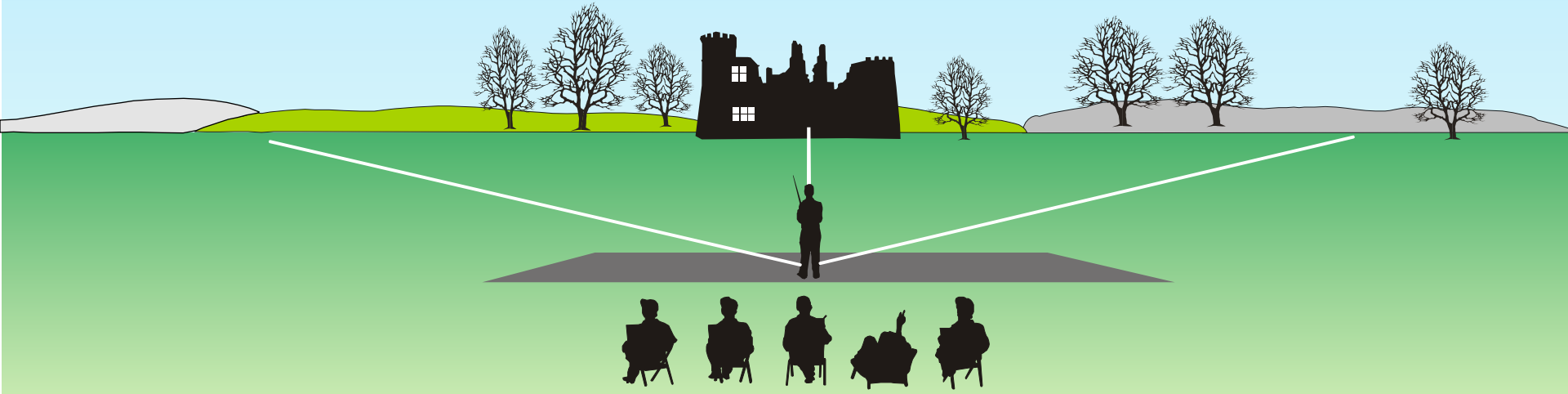
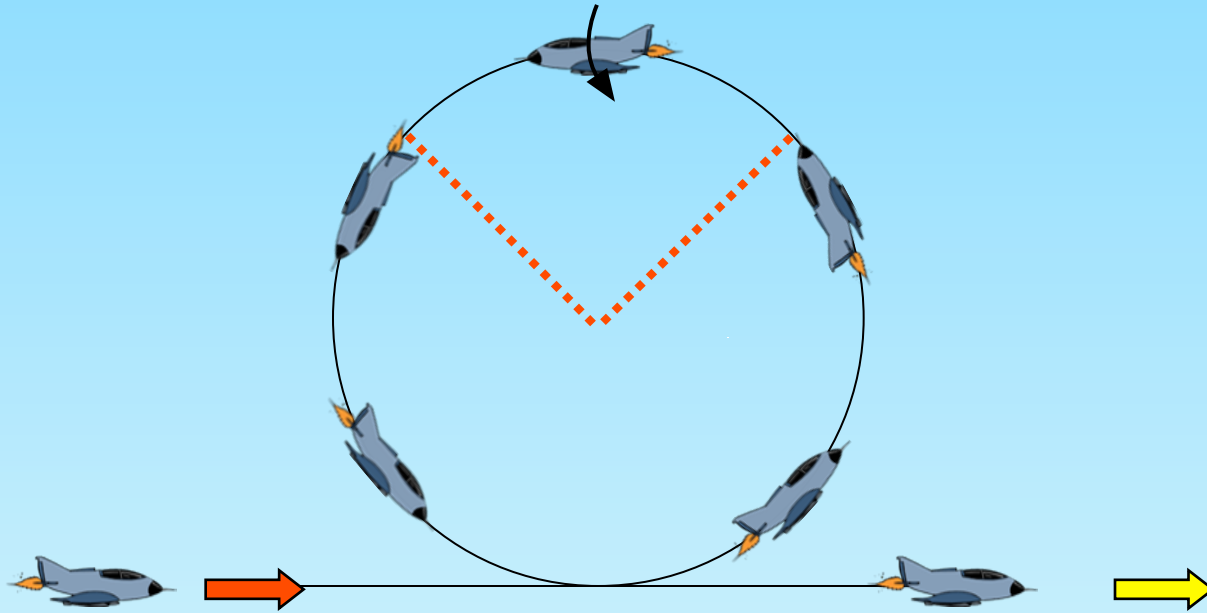
90° TURN



# S-17.01: Loop con Tonel integrado en los 90° de la cuspid



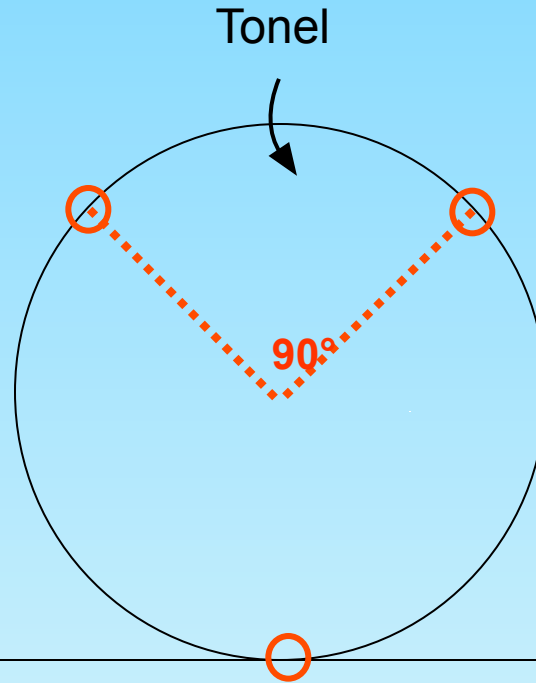
Rol



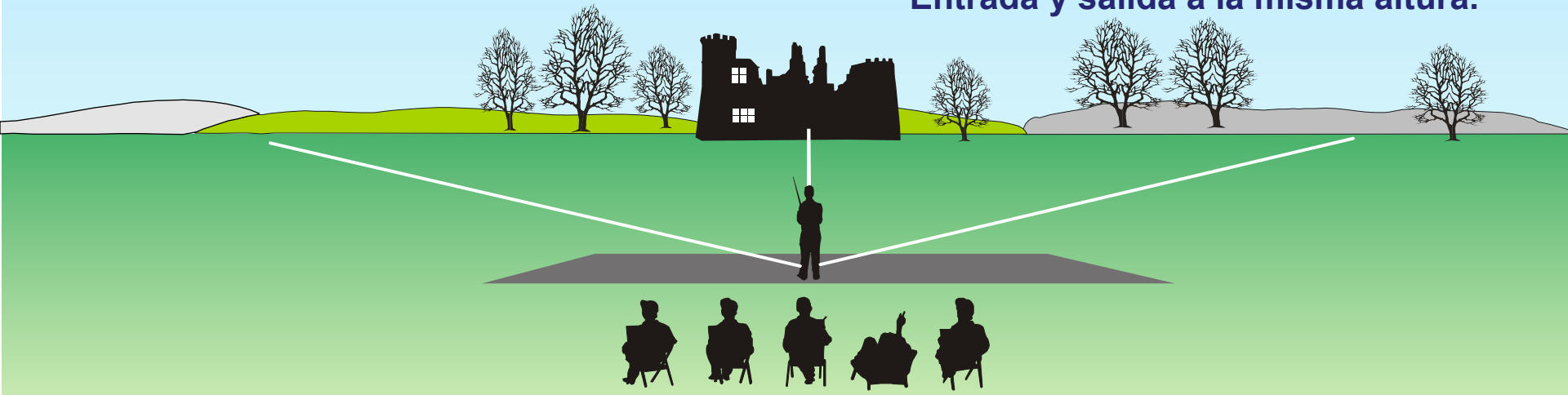
# S-17.01: Loop con Tonel integrado en los 90° de la cúspide

El tonel debe de estar centrado e integrado en los 90° de la cúspide del rizo

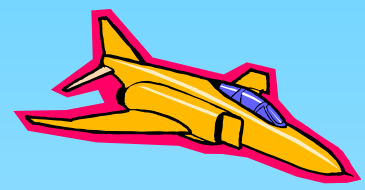
La velocidad de rotation del tonel, debe de ser constante



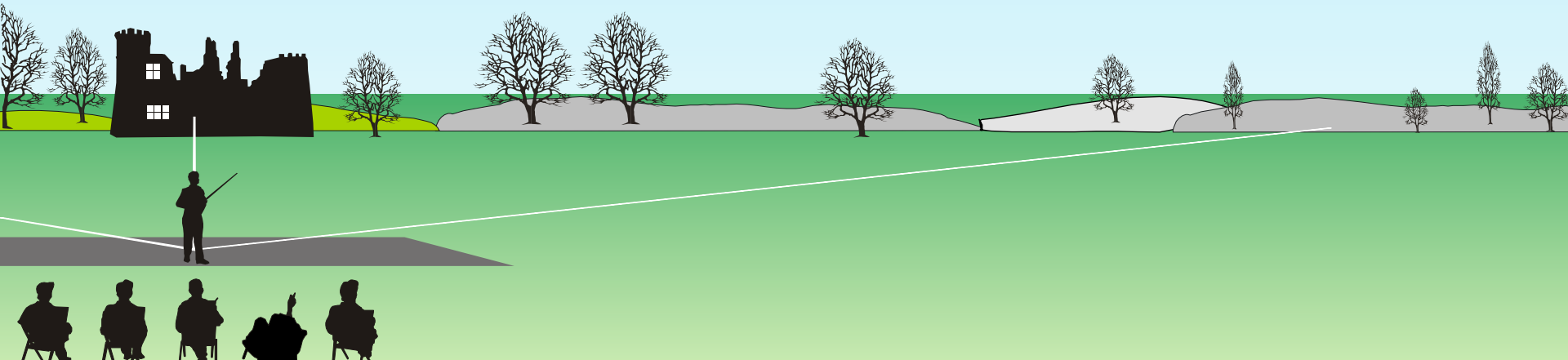
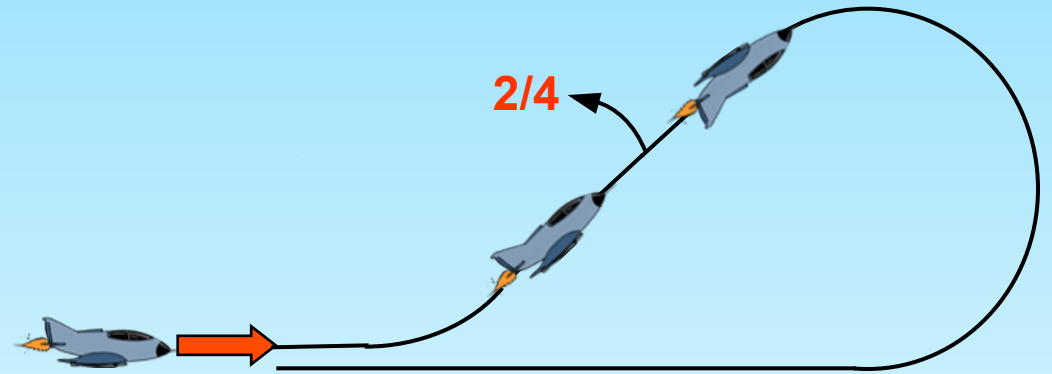
Entrada y salida a la misma altura.

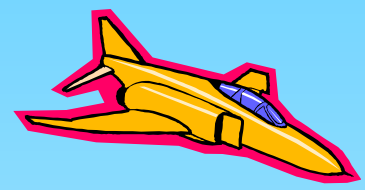




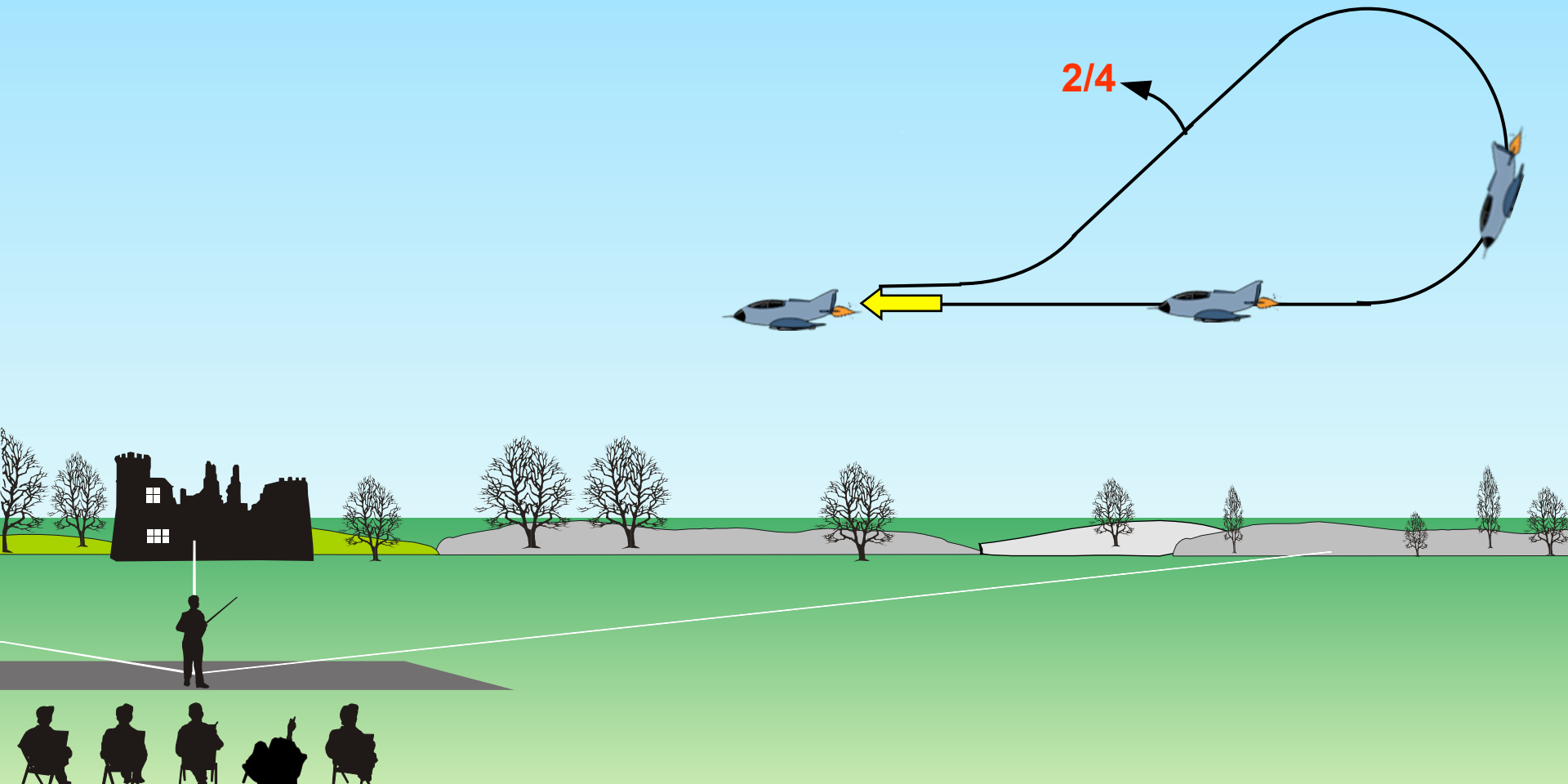


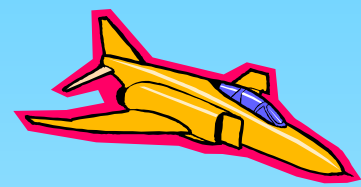
## S-17.02: Medio ocho cubano invertido con dos cuartos de tonel subiendo





## S-17.02: Medio ocho cubano invertido con dos cuartos de tonel subiendo

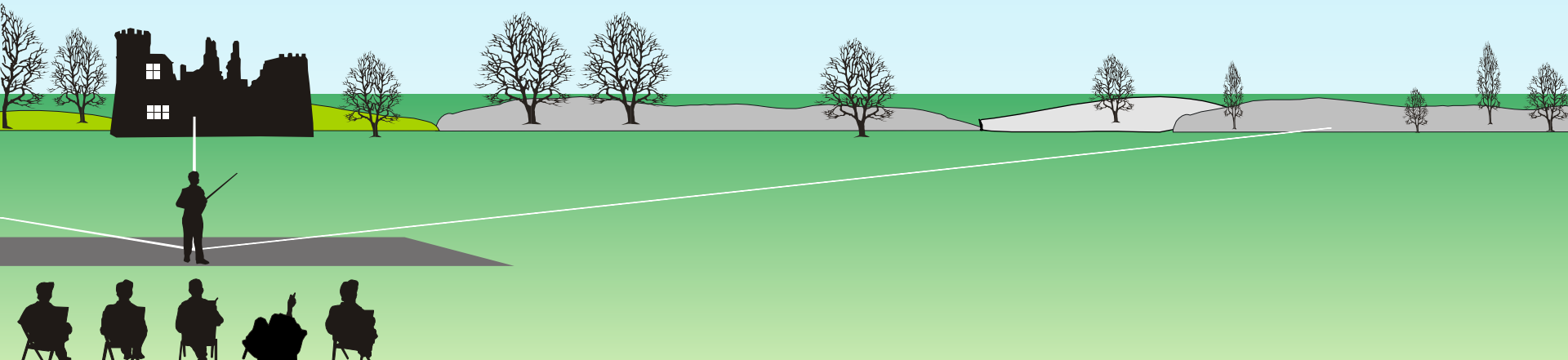
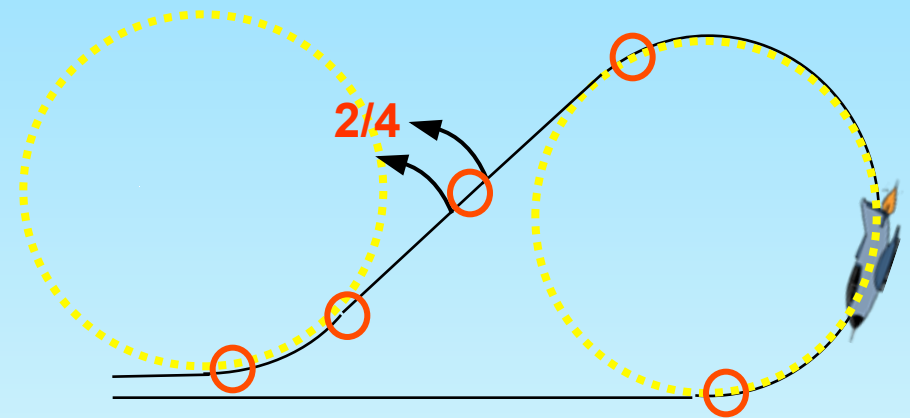


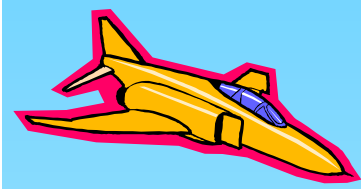


## S-17.02: Medio ocho cubano invertido con dos cuartos de tonel subiendo

Todos los radios son iguales.

Los dos  $\frac{1}{4}$  de Roll deben de realizarse en el centro del tramo de subida a  $45^\circ$

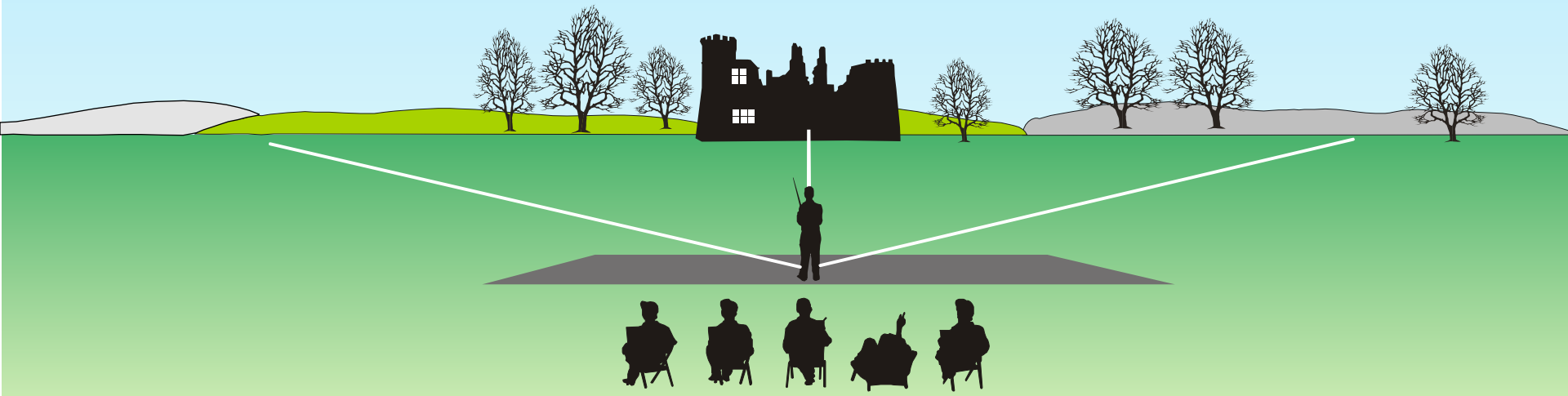
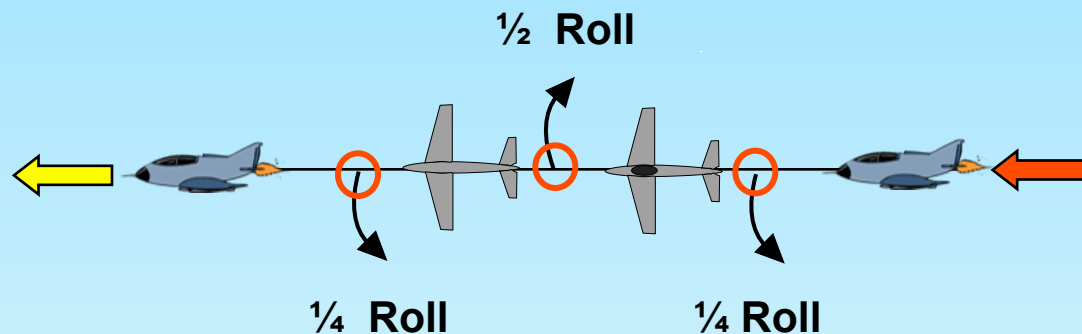




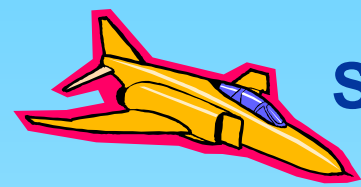
## S-17.03 Vuelo a cuchillo y contra cuchillo

Los tramos a cuchillo deben de ser de igual longitud y deben de ser lo suficientemente largos para demostrar el control del vuelo

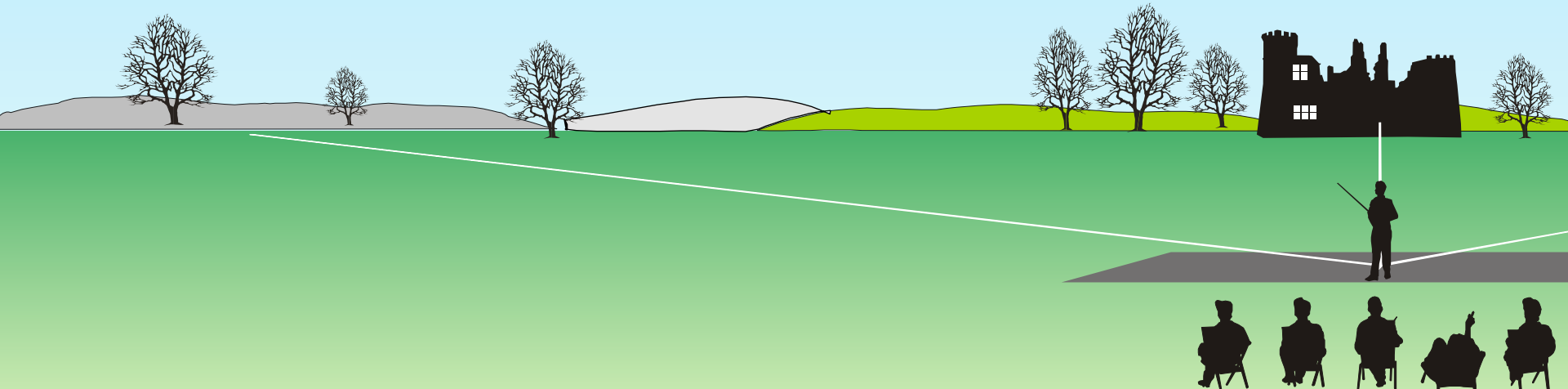
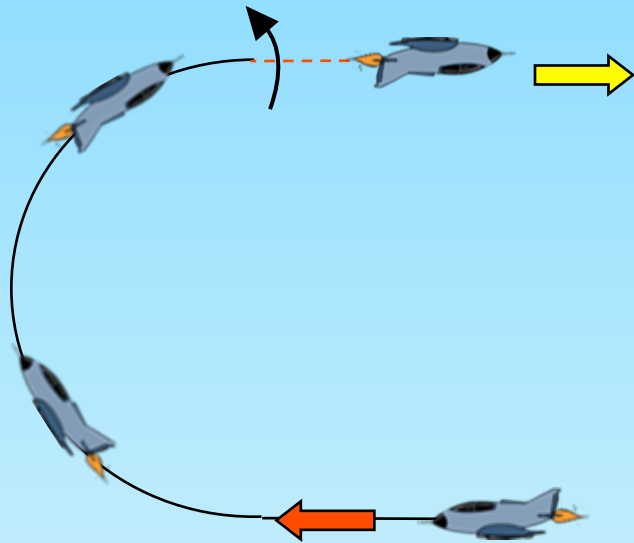
El sentido de rotacion es D-I-D o bien I-D-I



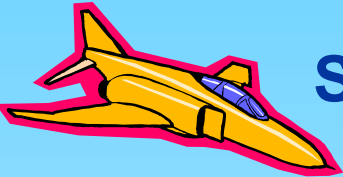
# S-17.04: Immelmann con Tonel



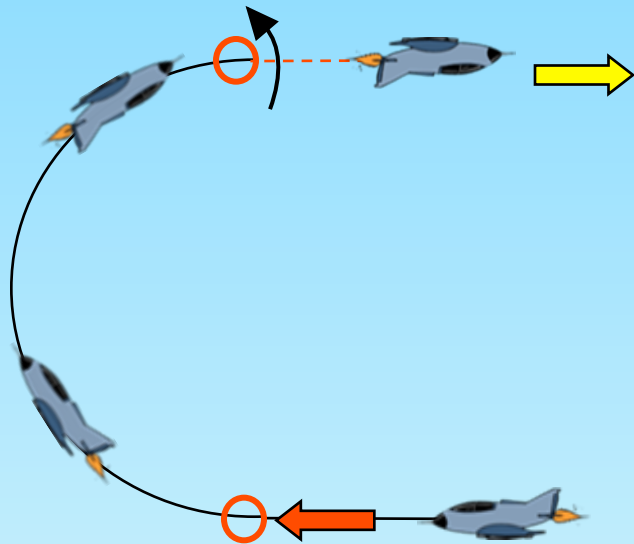
Roll



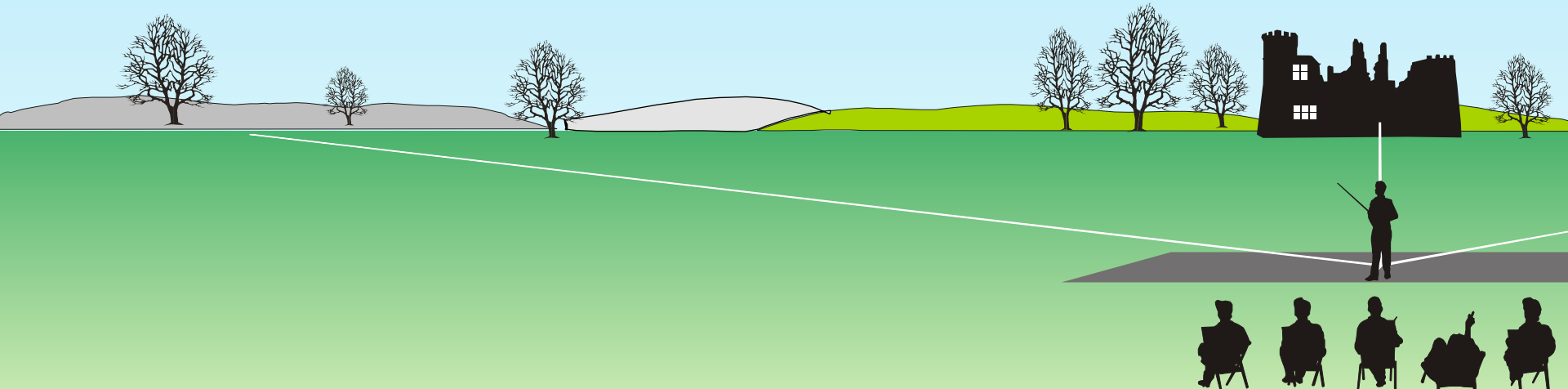
# S-17.04: Immelmann con Tonel



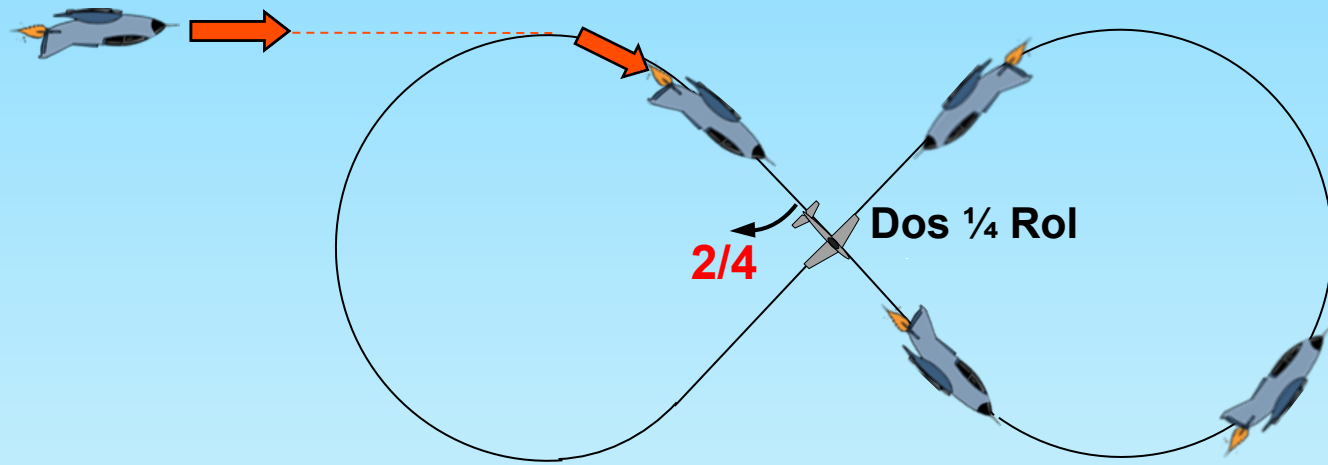
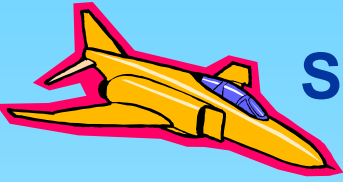
Roll

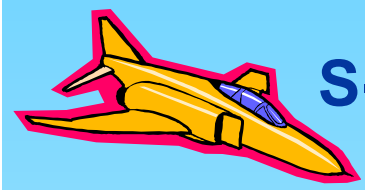


El Tonel debe de ser de inmediato despues del medio Loop.

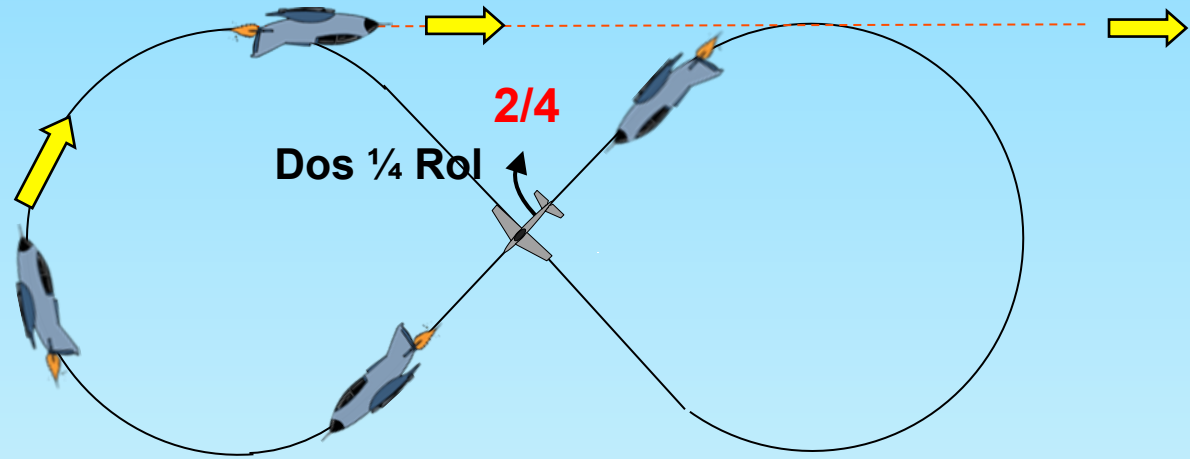


# S-17.05: Ocho cubano invertido desde arriba con dos cuartos de Tonel consecutivos





# S-17.05: Ocho cubano invertido desde arriba con dos cuartos de Tonel consecutivos

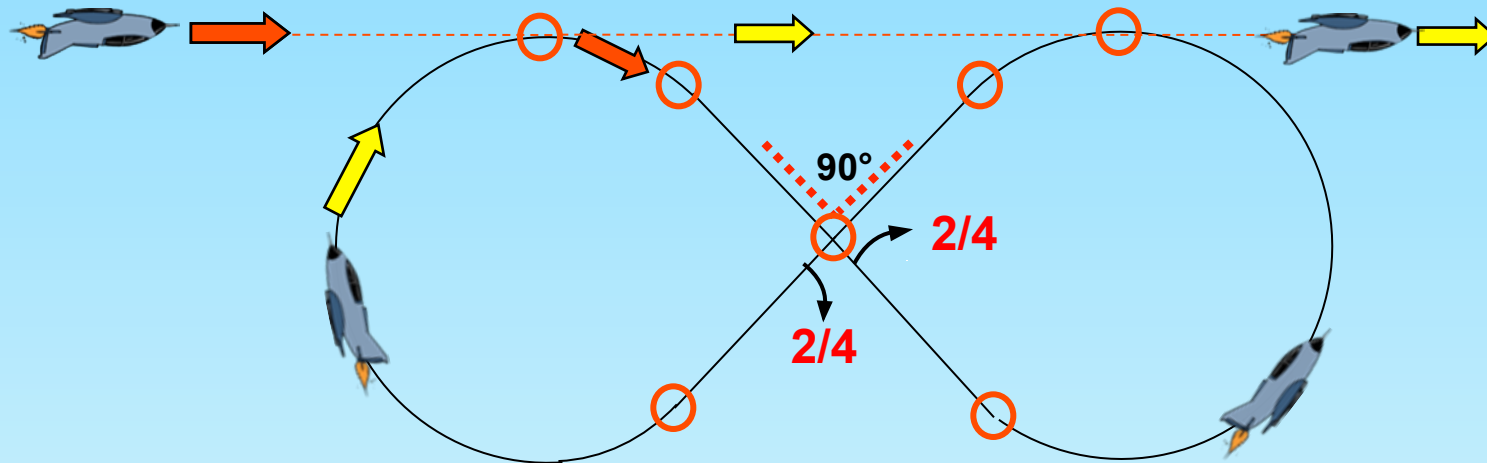




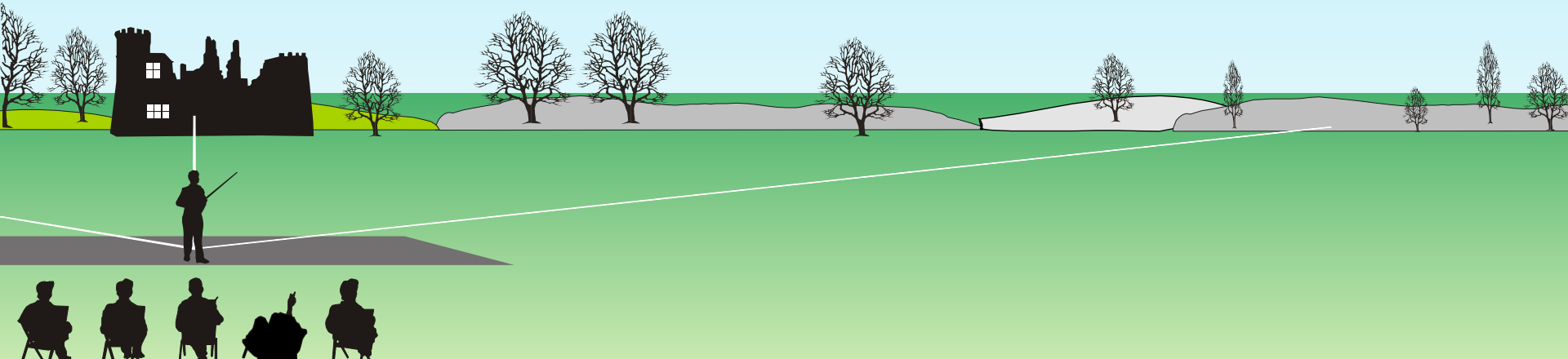
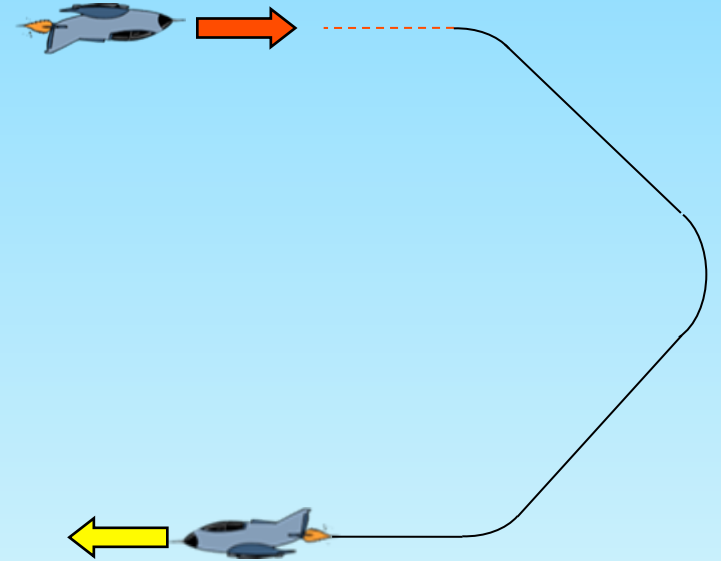
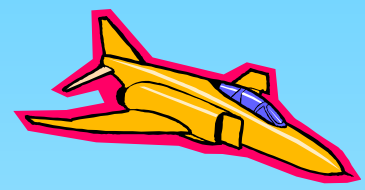
# S-17.05: Ocho cubano invertido desde arriba con dos cuartos de Tonel consecutivos

Todos los radios son iguales.

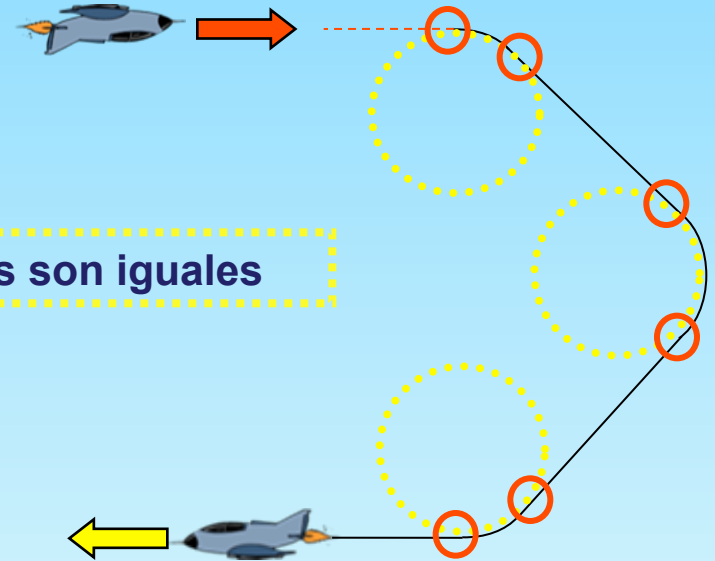
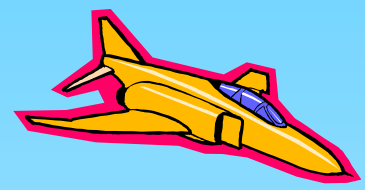
Los toneles deben de realizarse en el centro de los tramos rectos a  $45^\circ$



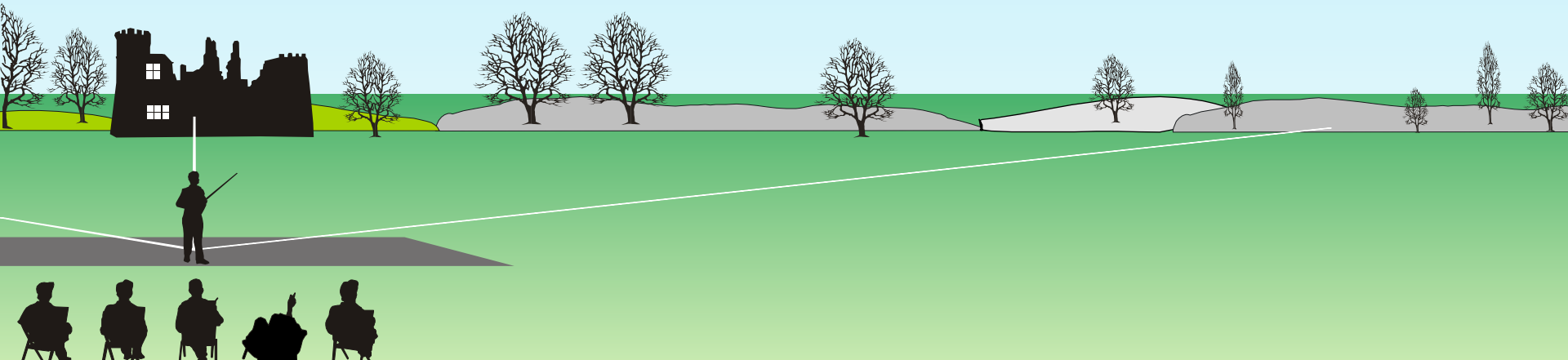
# S-17.06: Medio Rizo cuadrado en esquina



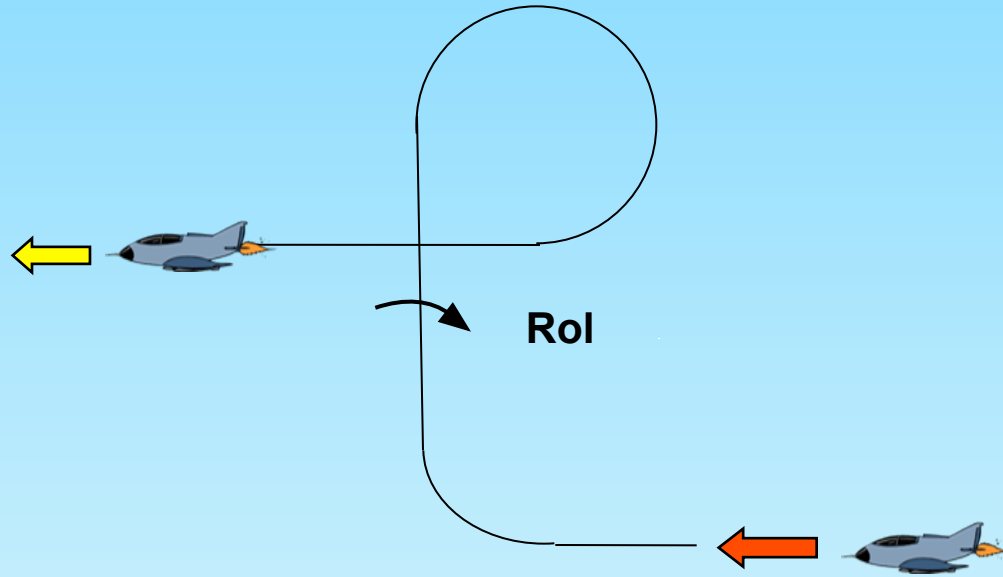
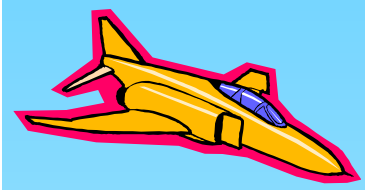
# S-17.06: Medio Rizo cuadrado en esquina



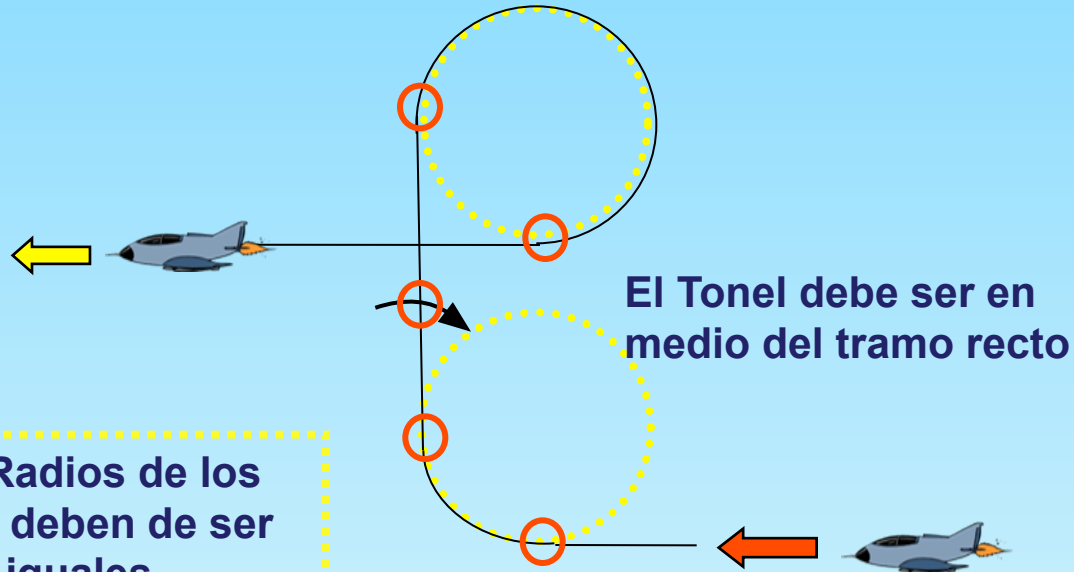
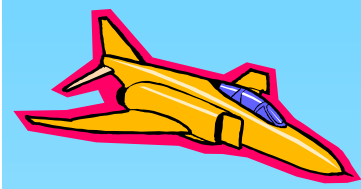
Todos los radios son iguales



# S-17.07: Figura nueve con tonel



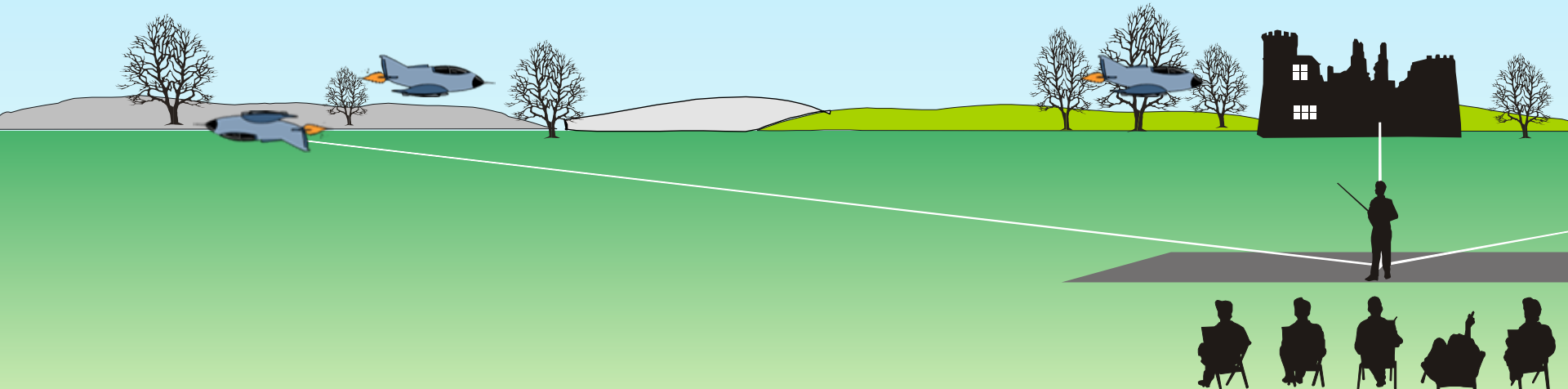
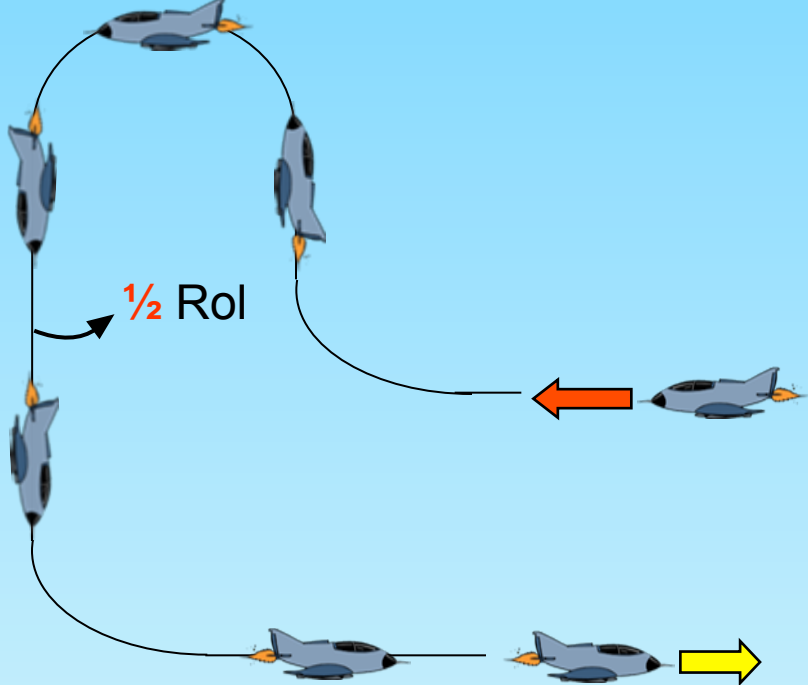
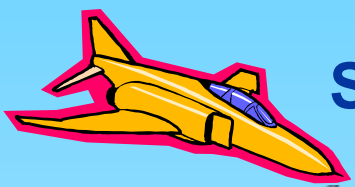
# S-17.07: Figura nueve con tonel



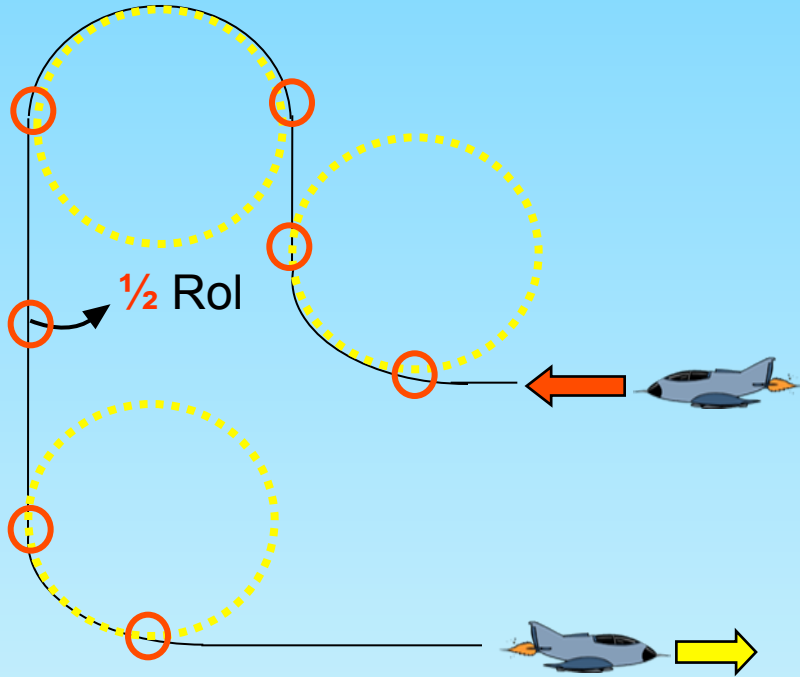
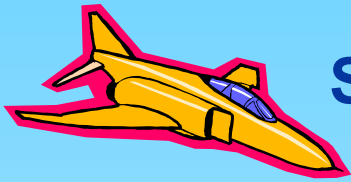
Los Radios de los Rizos deben de ser iguales.



# S-17.08: Humpty Bump tira-empuja-tira con $\frac{1}{2}$ Tonel bajando

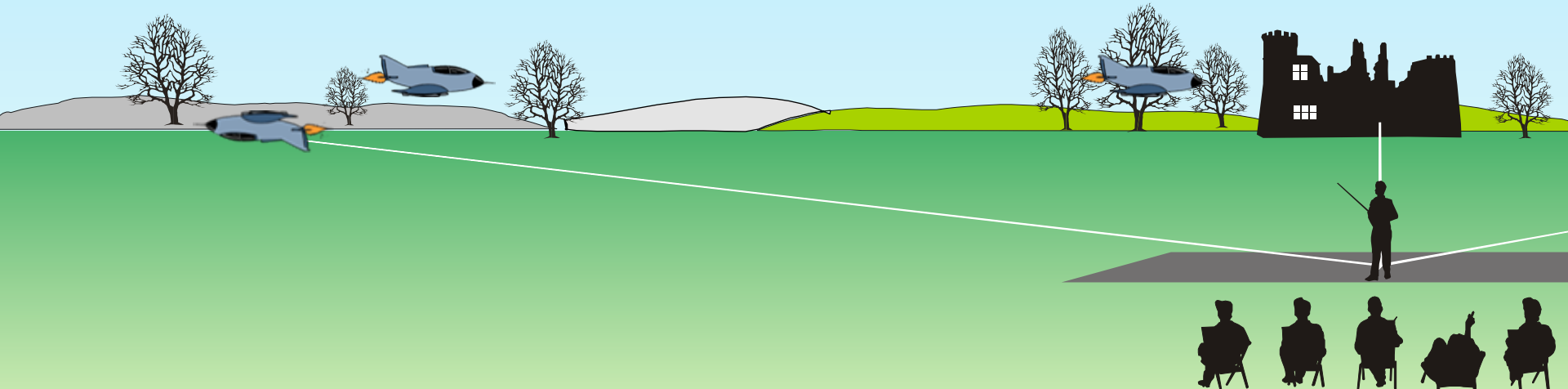


# S-17.08: Humpty Bump tira-empuja-tira con $\frac{1}{2}$ Tonel bajando

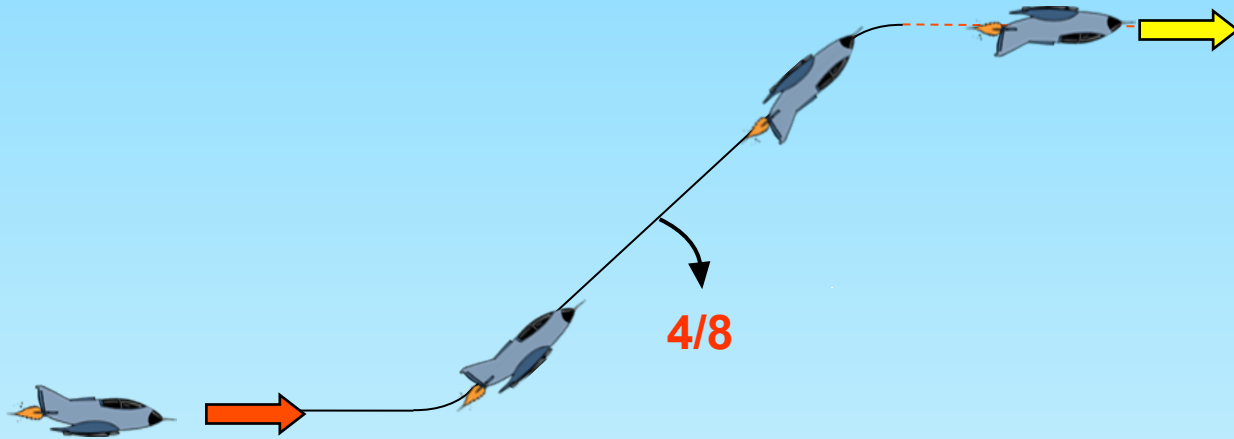
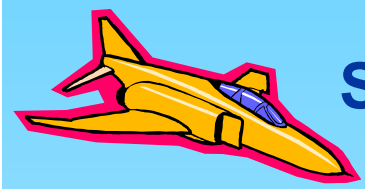


Todos los radios son iguales.

El medio Rol debe de ser en la mitad del tramo de bajada



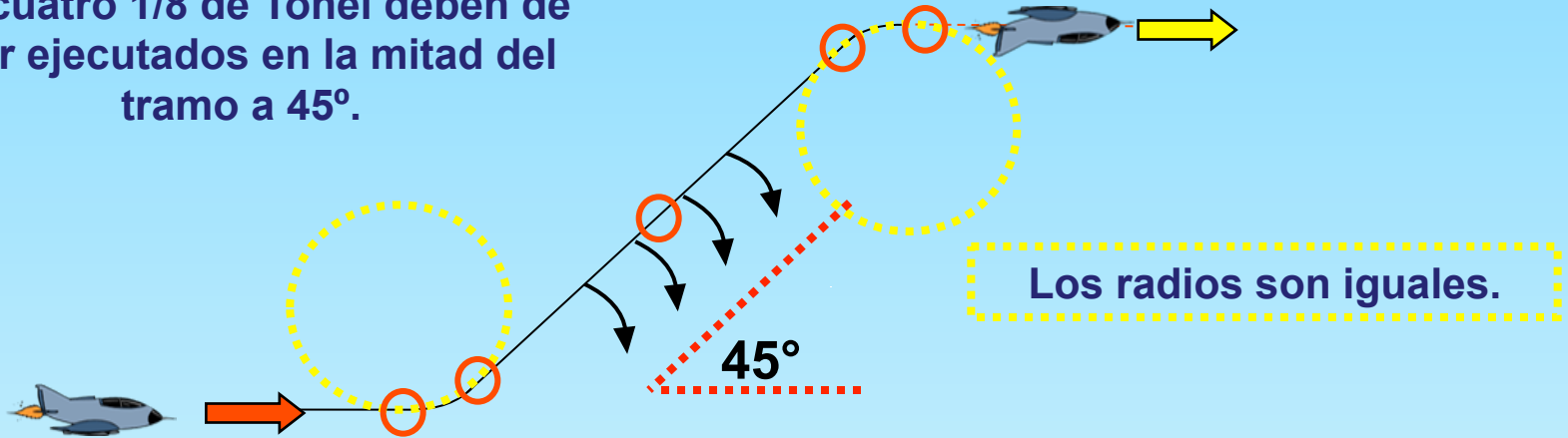
# S-17.09: Subida a 45° con 4/8 de Tonel



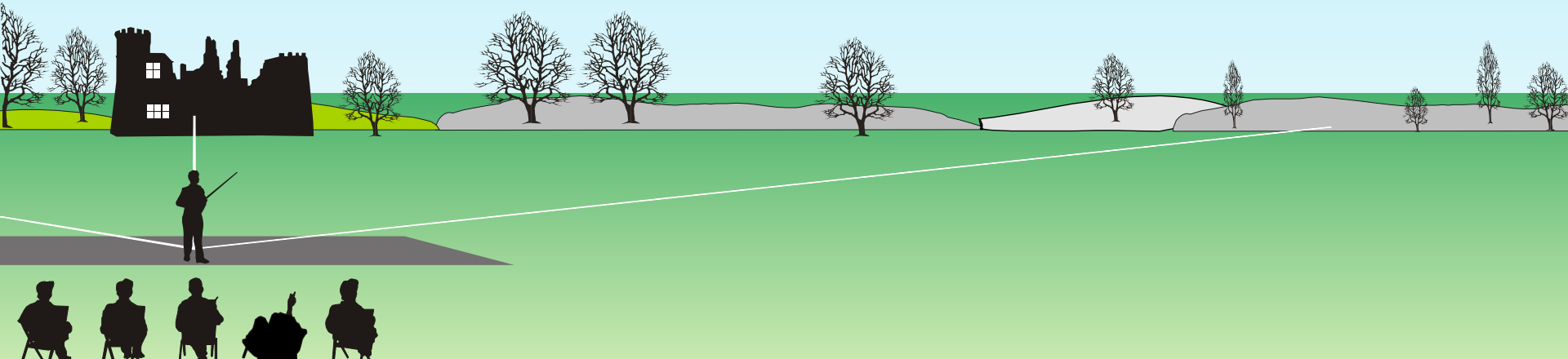
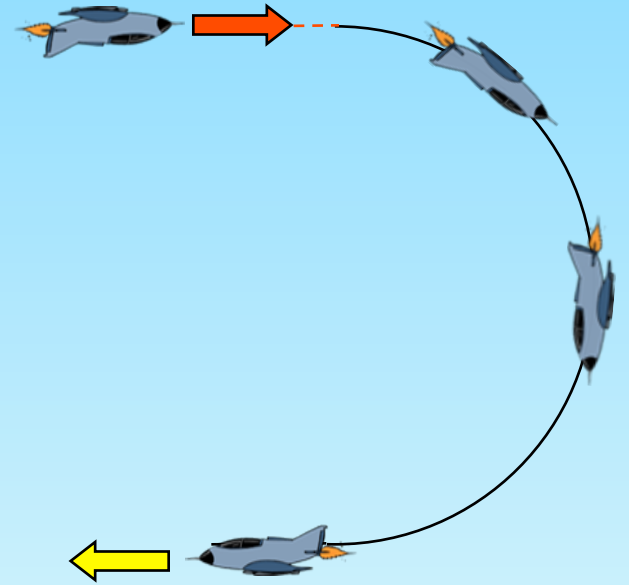
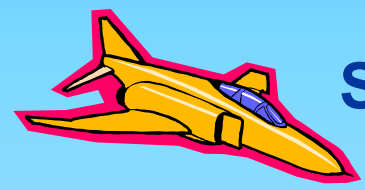


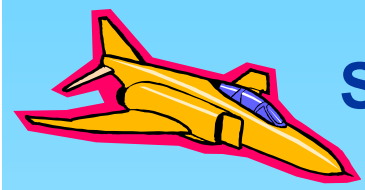
# S-17.09: Subida a 45° con 4/8 de Tonel

Los cuatro 1/8 de Tonel deben de estar ejecutados en la mitad del tramo a 45°.

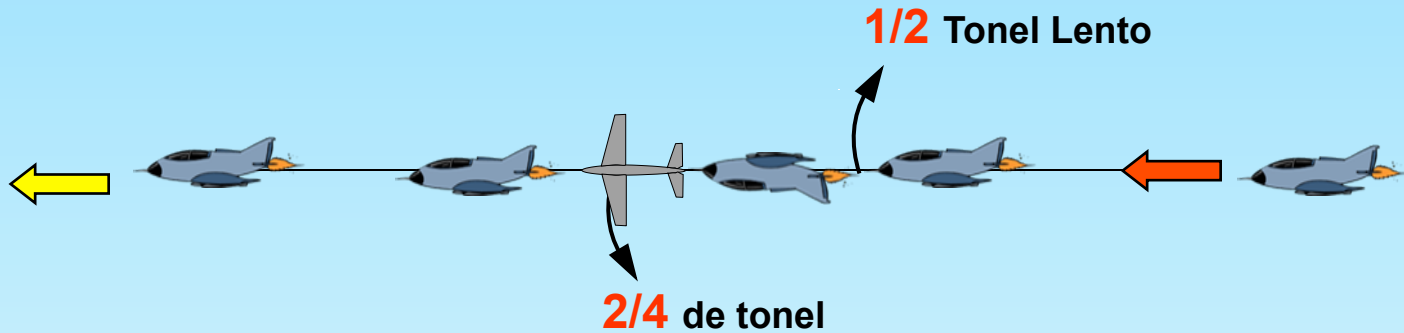


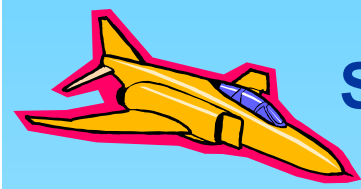
# S-17.10: Medio Rizo (Loop)





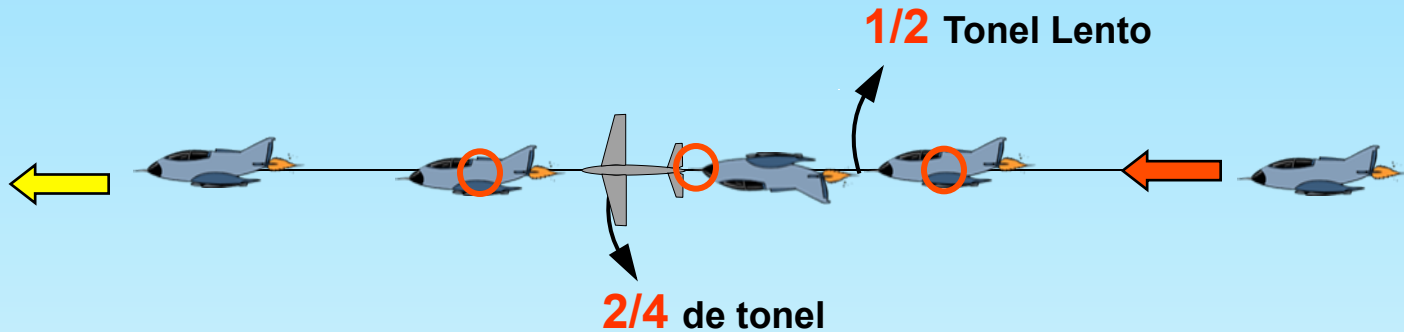
# S-17.11: Combinacion de Toneles, $\frac{1}{2}$ Tonel lento y dos $\frac{1}{4}$ de Tonel en sentido contrario



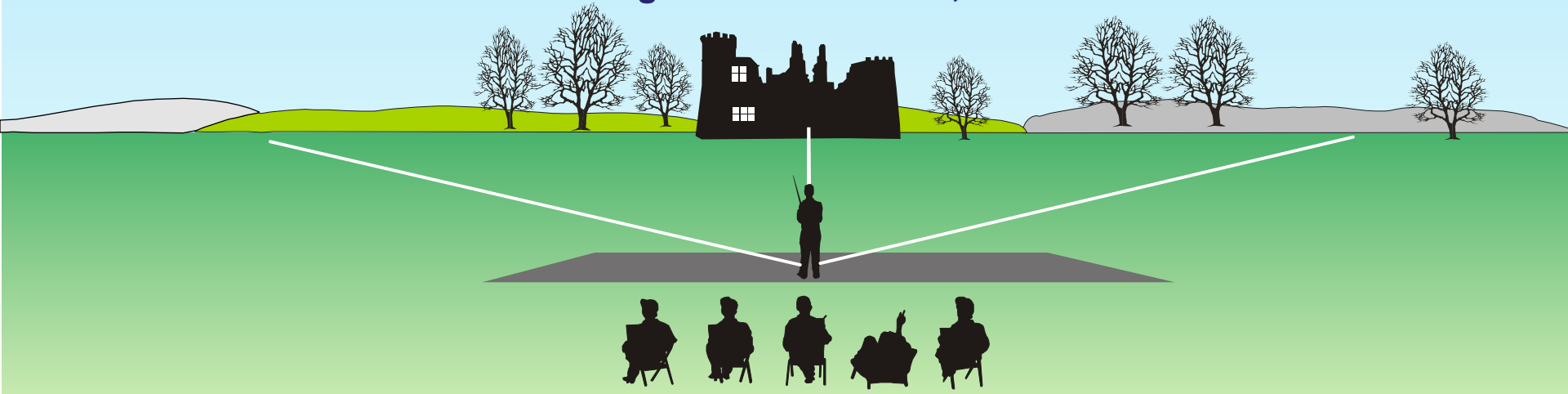


# S-17.11: Combinacion de Toneles, $\frac{1}{2}$ Tonel lento y dos $\frac{1}{4}$ de Tonel en sentido contrario

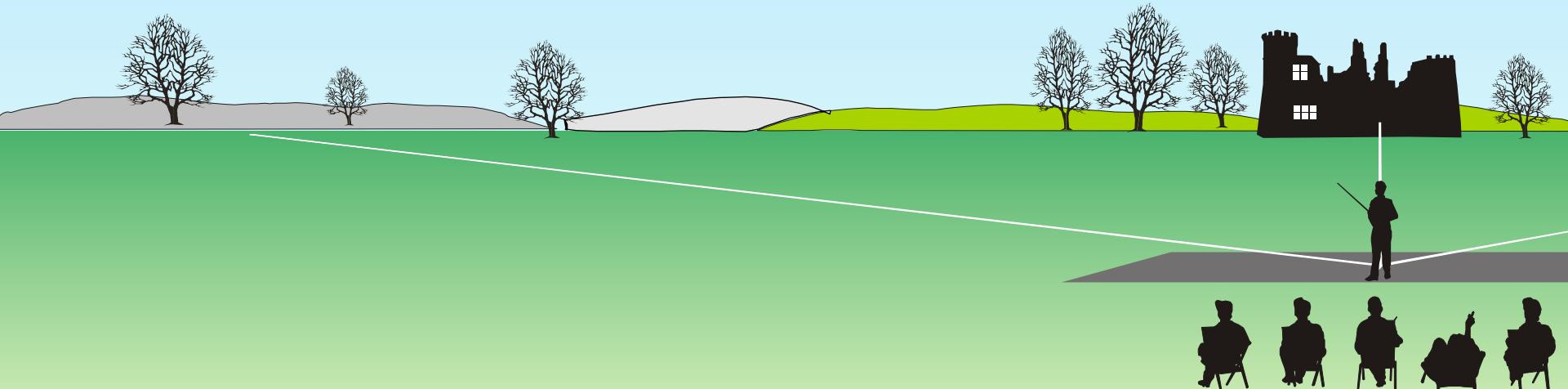
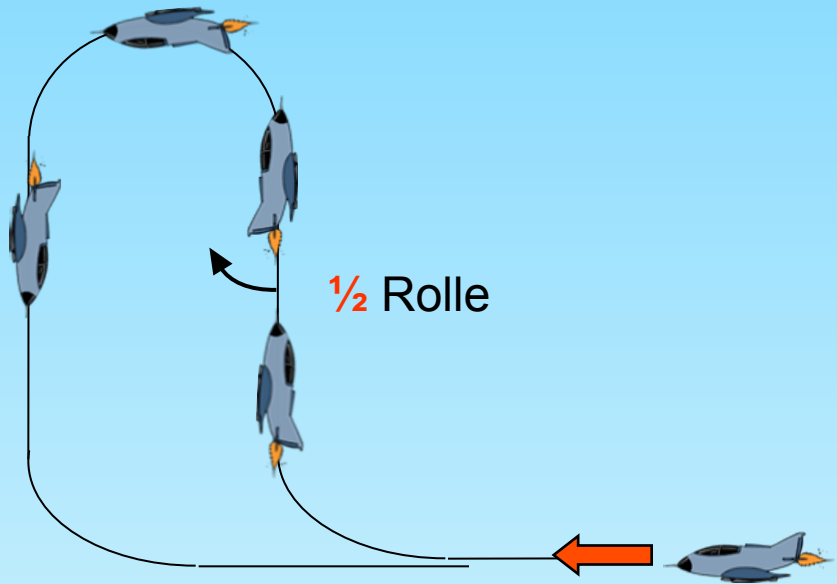
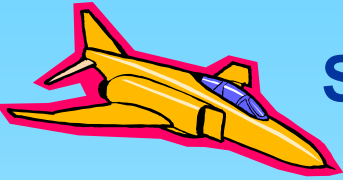
Todo el conjunto de maniobras de toneles, deben de estar centrados .



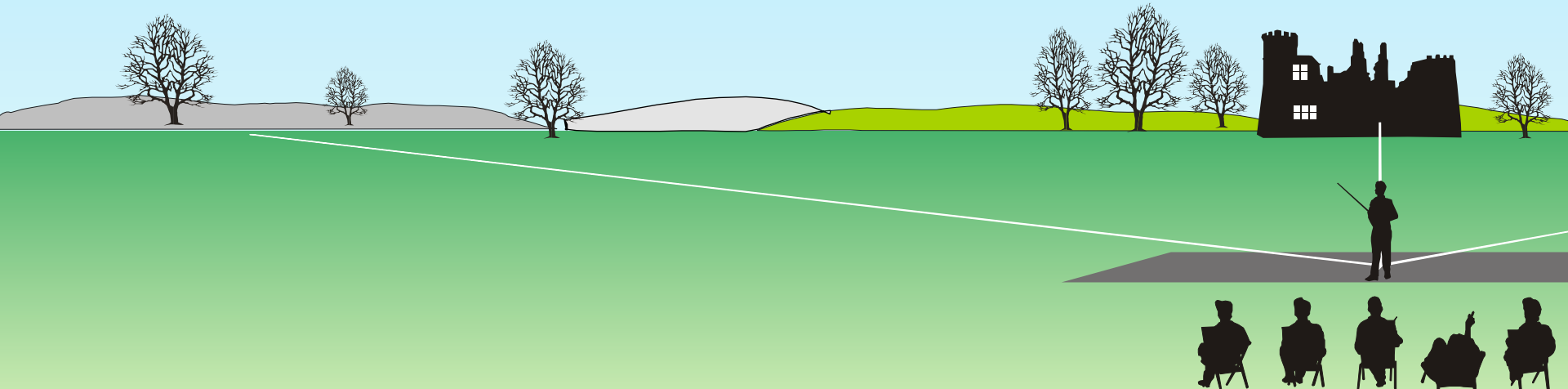
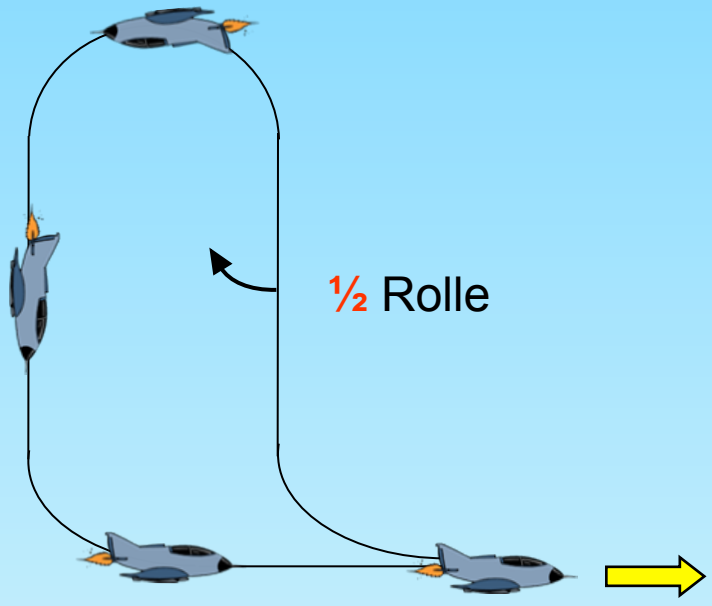
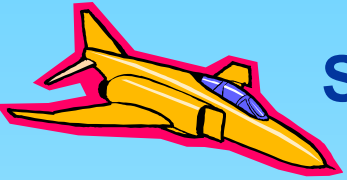
En el cambio del sentido de giro de los Toneles, no debe existir tramo recto

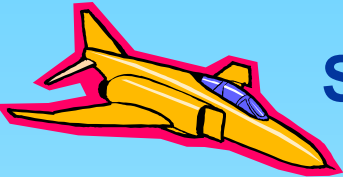


# S-17.12: Humpty Bumb Tira-Tira-Tira con $\frac{1}{2}$ Tonel subiendo

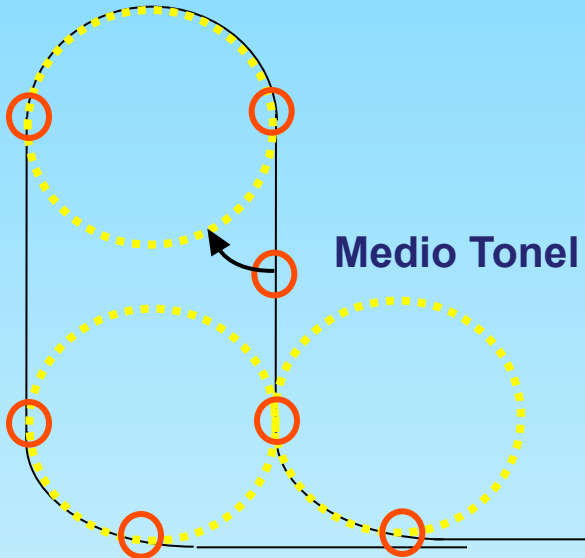


# S-17.12: Humpty Bumb Tira-Tira-Tira con 1/2 Tonel subiendo



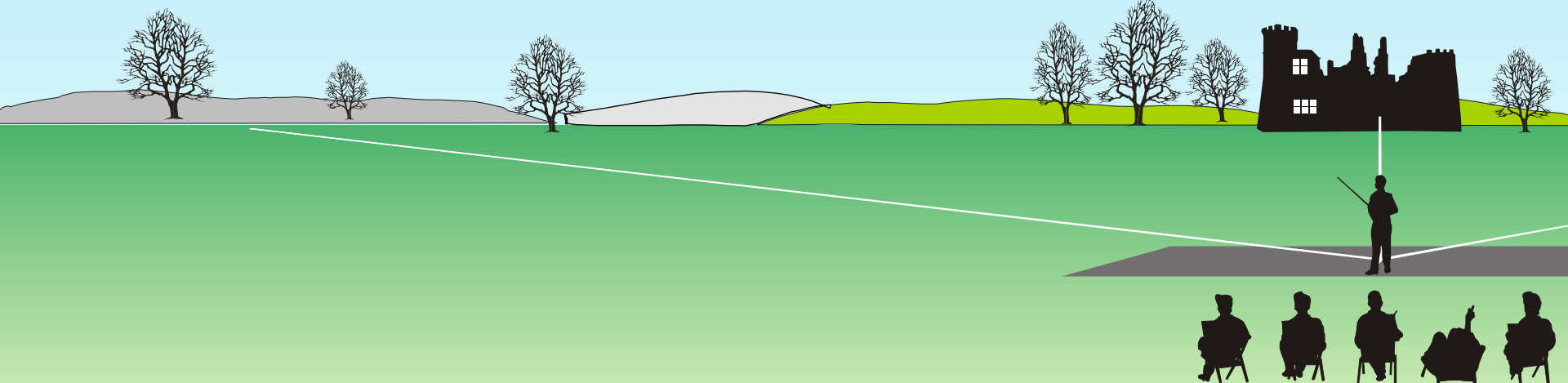


# S-17.12: Humpty Bumb Tira-Tira-Tira con $\frac{1}{2}$ Tonel subiendo

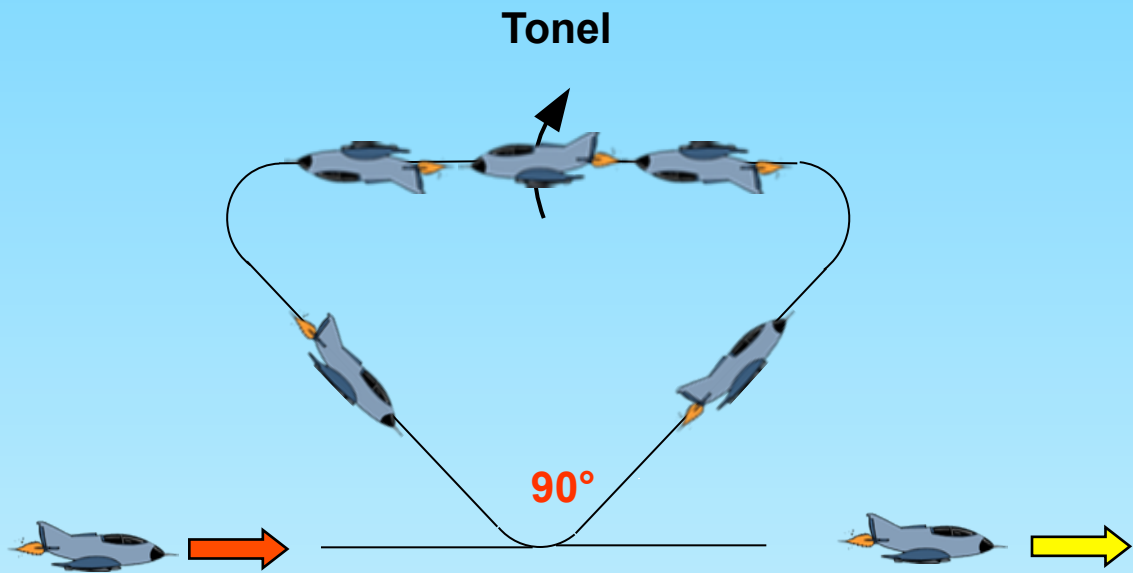
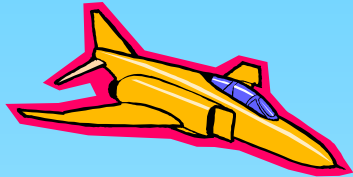


Medio Tonel centrado en la mitad del tamo a subida

Todos los Radios son iguales.

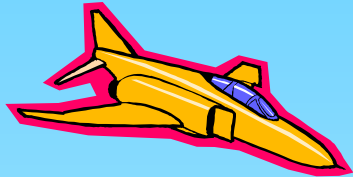


# S-17.13 Triangolo con Tonel Completo





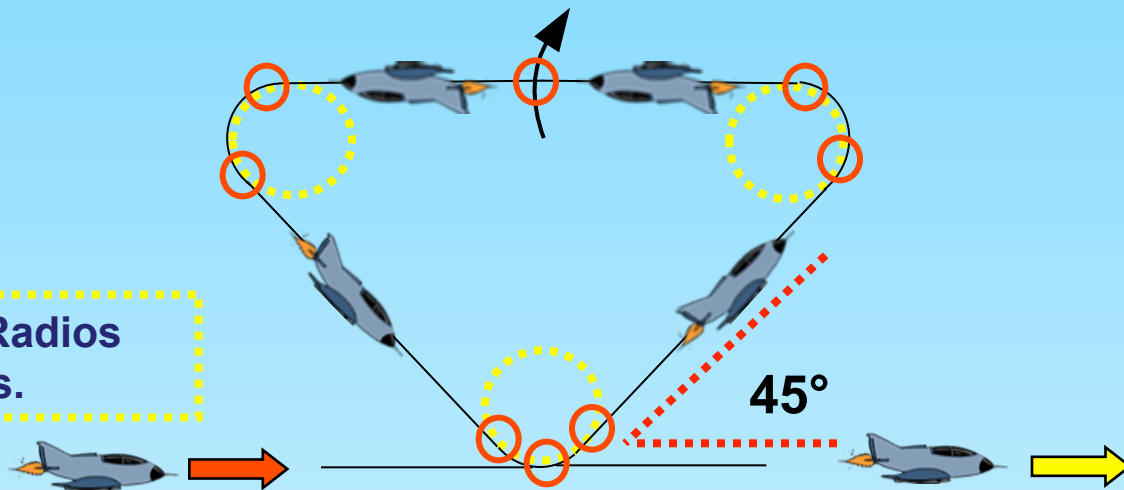
# S-17.13 Triangulo con Tonel Completo



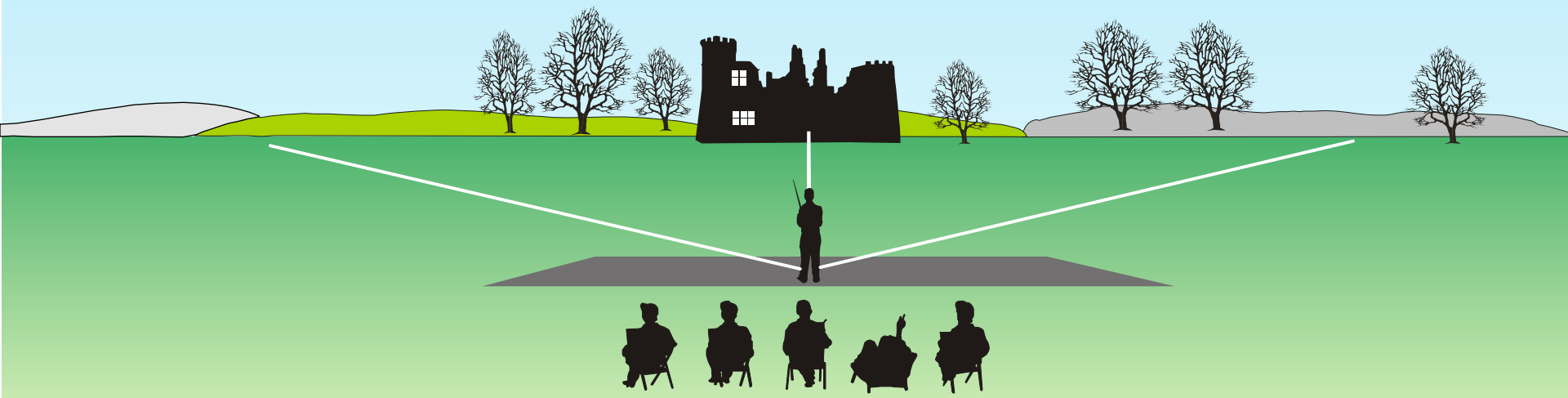
Tonel

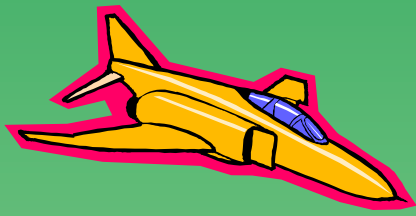
Tonel en el centro de la linea.

Todos los Radios Iguales.



Entrada y salida a la misma altura.

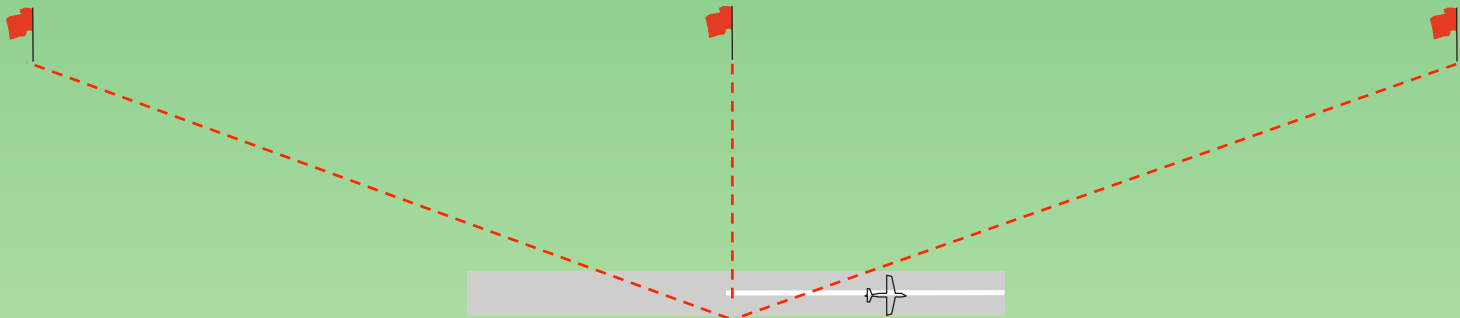




## Secuencia de aterrizaje (No se juzga ni se puntua)

La direccion del aterrizaje puede ser distinta al despegue.

 **Viento**



**Jueces**